ADDENDUM # 01

Project: Mt Diablo USD
Rio Vista Elementary, Mt Diablo Elementary, & Meadow Homes ES
Modernization of Three Elementary School Campuses - Increment 2
19six #: 23118.01 DSA #: 01-121440 INC 02
Bid #: 1945
Date: November 04, 2024

To all bidders submitting proposals for the above captioned project. This Addendum is hereby included in the Contract Documents to the same extent as though it were originally included therein. The following items modify, add to, delete from, or explain the drawings and/or specifications. The contents of this Addendum shall take precedence over the original specifications and plans.

BID DEADLINE:

The bid time shall not change.

A. NEW SPECIFICATIONS

Item #1: 01 91 13 Addenda

B. CHANGES TO SPECIFIATIONS

Item #1: 00 01 15 List of Drawings, Tables and Schedules
Item #2: 00 31 19 Existing Information and Documentation Regarding Project Sites

ATTACHMENTS:

01 91 13 Addenda
00 01 15 List of Drawings, Tables and Schedules
00 31 19 Existing Information and Documentation Regarding Project Sites

DOCUMENT 00 91 13

ADDENDA

NOTICE TO ALL BIDDERS: THE FOLLOWING MODIFICATIONS, ADDITIONS, DELETIONS, CLARIFICATIONS AND/OR INFORMATION ARE HEREBY MADE PART OF THE CONTRACT DOCUMENTS. ADDENDUM MUST BE ACKNOWLEGDED AS PART OF THE BIF FORM.

1. RFI QUESTIONS

1) Will data cabling be a part of the scope for the three schools? All we can find on the drawings are electrical outlets.
   (a) Please see technology drawings for full scope of data network for each of the three campuses. See 2T-000 for all three campuses for full scope of technology work.

2) What is the estimated value of the total project?
   (a) Total Estimated Value: $23,211,066

3) All three spec packets list 12 36 61 Quartz Countertops and Surfacing in the table of contents, but they do not include those pages in the content. Please provide or verify that there is no quartz on these projects.
   (a) There is no quartz on these projects, provide Corian solid surface on workstations or PLAM at Classroom casework.

4) The specs and the drawings do not include a Finish Schedule for casework. Please provide or approve standard plastic laminate colors and finishes and Corian, price group 2.
   (a) Provide the following colors for each campus
      (i) Rio Vista Elementary:
      PL-1 CLASSROOM COUNTERTOP - RAW COTTON
      PL-2 CLASSROOM CABINET BASE - BLOND ECHO
      Mt Diablo Elementary:
      PL-1 CLASSROOM COUNTERTOP - RAW COTTON
      PL-2 CLASSROOM CABINET BASE - BLOND ECHO
      PL-3 LIBRARY CABINET BASE - NORWEGIAN ASH
      SS-1 LIBRARY COUNTERTOP & TRANSACTION COUNTERTOP - SOLID SURFACE: YOKON RIVERSTONE
      Meadow Homes Elementary:
      PL-1 CLASSROOM COUNTERTOP - RAW COTTON
      PL-2 CLASSROOM CABINET BASE - BLOND ECHO
      PL-3 RECEPTION CABINET BASE - NORWEGIAN ASH
      SS-1 RECEPTION COUNTERTOP & TRANSACTION COUNTERTOP - SOLID SURFACE: YOKON RIVERSTONE

5) Meadow Homes Casework spec. For the plam countertops, it says to provide exterior grade plywood at wet locations (Part 2 1 C 2) and to not provide plywood (Part 2 1 C 10). Please verify that using a medex core throughout is acceptable.
   (a) Either exterior grade plywood or medex core is acceptable

6) Please verify that we are approved to use Pro Series 2.0 drawer guides

(a) No, Pro Series 2.0 drawer guides do not fully meet the specifications for the drawer slides.

7) Medow Homes Casework spec. For the cabinet core material, the spec says to use MDF (pg 7, 3 B 1) and that particle board is permitted at melamine panels (pg 7, 3 C). Please verify that we are approved to use industrial grade particle board as the standard core material
   (a) answer MDF is the required core material for general casework components, as specified in Section B.1.
   Particle board is only permitted for melamine-finished decorative panels as described in Section C.
   Therefore, using industrial-grade particle board as the standard core material for the entire casework would not comply with the specification unless specifically limited to the decorative panels.

8) Please verify there is no new casework in Mt Diablo/Work Room 45
   (a) No new casework is being added to Work Room 45 at Mt Diablo Elementary School.

9) The casework on Mt Diablo 2A-605 is greyed out and has no callouts. Please verify there is no scope for me there (I realize it's existing, just making sure nothing needs to happen there).
   (a) Buildings 9 & 10 at Mt Diablo Elementary have no casework modifications in this project.

10) Is this project phased by schools? I.E. one school at a time?
   (a) No. Each school has three (3) phases. The intent is to have each phase ready to allow for students and staff to move into/around spaces during the school year. The building(s) that are worked in on each phase are unoccupied. When a phase is ready for occupancy, staff and students will be moved into that space, opening the next phase building(s) for work to begin, and so on and so forth. See addendum #1, with attached phasing plan for each campus which aligns with the project schedule.

2. Specification and/or Drawing Clarifications – Addendum No. 1: Modernization of Three Elementary Schools, Increment 2

1) Addendum No 1. – Meadow Homes Elementary School Drawings and/or Specifications

2) Addendum No 1. – Mt. Diablo Elementary School Drawings and/or Specifications

3) Addendum No 1. – Rio Vista Elementary School Drawings and/or Specifications

END OF SECTION

DOCUMENT 00 01 15

LIST OF DRAWINGS, TABLES AND SCHEDULES

DRAWINGS

Sheet number File number Description

1. **Meadow Homes Elementary School**

Sheet Number	**Description**
General Information	
2G-001	Title Sheet
2G-002	Sheet Index
2G-003	Calgreen Code Compliance
2G-100	Code Site Plan
2G-201	Bldg A, B, C - Exit Analysis
2G-202	Bldg D, E - Exit Analysis
2G-900	Accessibility Clearances
Civil	
2C1.1	Demolition Plan
2C2.1	Drainage & Grading Plan
2C3.1	Horizontal Control Plan
2C4.1	Notes, Details & Legend
2C4.2	Details
Architectural	
2A-021	Demolition Plan - Bldg A, C
2A-022	Demolition Plan - Bldg B
2A-023	Demolition Plan - Bldg D, E
2A-031	Demo Reflected Ceiling Plan - Bldg A, B
2A-032	Demo Reflected Ceiling Plan - Bldg D, E
2A-041	Demo Exterior Elevations - A, B1, B2
2A-042	Demo Exterior Elevations - Bldg C, D1, D2
2A-043	Demo Exterior Elevations - Bldg E
2A-101	Enlarged Site plans
2A-104	PC Shade Structure Plans & Elevation
2A-111	Site Details
2A-201	Floor Plan - Bldg A, B, C
2A-202	Floor Plan - Bldg D, E
2A-211	Reflected Ceiling Plan - Bldg A, B
2A-212	Reflected Ceiling Plan - Bldg D, E
2A-221	Demo & New Roof Plan - Bldg B
2A-222	Demo & New Roof Plan - Bldg C, Multi-Use
2A-251	Signage & Finish Plans - Bldg A, B, C

2A-252	Signage & Finish Plans - Bldg D, E
2A-301	Exterior Elevations - Bldg A, B1
2A-302	Exterior Elevations - Bldg B2, C, D1 & MPR
2A-303	Exterior Elevations - Bldg D2, E
2A-401	Building Sections A, B.1
2A-402	Building Sections D.2, E
2A-403	Wall Sections
2A-501	Restroom Plan Enlargements
2A-502	Restroom Plan Enlargements
2A-601	Interior Elevations
2A-602	Interior Elevations
2A-603	Interior Elevations
2A-604	Interior Elevations
2A-605	Interior Elevations
2A-606	Interior Elevations
2A-607	Casework Plans & Elevations
2A-608	Casework Plans & Elevations
2A-701	Exterior Details
2A-801	Door Schedule
2A-811	Window Schedule
2A-911	Wall Types & Details
2A-921	Interior Details
2A-923	Ceiling Details
2A-924	Ceiling Details
2A-925	Signage Details
2A-931	Casework Details

Structural

2S-100	General Notes
2S-201	Building E - Foundation Building Plan
2S-202	Building Framing Plan - Bldg B.1, C, & Multi-Use
2S-501	Typical Concrete Details
2S-800	Nailing Schedule
2S-801	Framing Details

Electrical

2E000	General Information
2E001	Schedules
2E002	Schedules
2E003	Schedules
2E100	Lighting Plans
2E201	Lighting Plans
2E202	Lighting Plans
2E203	Lighting Plans

2E204	Lighting Plans
2E205	Lighting Plans
2E300	Power & Signal Plans
2E301	Power & Signal Plans
2E302	Power & Signal Plans
2E303	Power & Signal Plans
2E304	Power & Signal Plans
2E305	Power & Signal Plans
2E306	Power & Signal Plans
2E401	Details
2E402	Details
2E501	General Information
2E502	Schedules
2E503	Schedules
2E504	Schedules
2E505	Schedules

Fire Alarm

2F000	General Information
2F100	Site Plan
2F200	Fire Alarm Plans
2F201	Fire Alarm Plans
2F202	Fire Alarm Plans
2F203	Fire Alarm Plans
2F204	Fire Alarm Plans
2F205	Fire Alarm Plans
2F301	Riser Diagram
2F401	Details

Mechanical & Plumbing

2MP-001	Legends & Notes - Mechanical & Plumbing
2MP-002	Schedules - Mechanical & Plumbing
2MP-201	Bldg C - Demo & New Floor Plans
2MP-202	BLdg B.1, B.2 - Demo & New Floor Plans
2MP-203	Bldg D.1, D.2 - Demo & New Floor Plans
2MP-204	Bldg E - Demo & New Floor plans
2MP-205	Bldg Multi-Use - Demo & New Floor Plans
2MP-301	Bldg C & MU - Demo & New Roof Plan
2MP-401	Bldg E - Demo & New Restroom Plans
2MP-402	Bldg E - Demo & New Restroom Plans
2MP-501	Controls - Mechanical
2MP-601	Details - Mechanical & Plumbing
2MP-602	Details - Mechanical & Plumbing
2MP-801	T24 - Mechanical

Technology

2T-000	Technology Infrastructure Cover Sheet
2T-010	Technology Infrastructure Site Plan Demo
2T-020	Technology Infrastructure Floor Plans Demo
2T-021	Technology Infrastructure Floor Plans Demo
2T-100	Technology Infrastructure Site Plan New
2T-200	Technology Infrastructure Floor Plans New
2T-201	Technology Infrastructure Floor Plans New
2T-300	Technology Infrastructure Reflected Ceiling Plans New
2T-301	Technology Infrastructure Reflected Ceiling Plans New
2T-700	Technology Infrastructure Single Lines
2T-701	Technology Infrastructure CCTV Views
2T-800	Technology Infrastructure Details
2T-801	Technology Infrastructure Details
2T-802	Technology Infrastructure Details
2T-803	Technology Infrastructure Details

2. <u>Mt. Diablo Elementary School</u>

Sheet Number **Description**

General Information

2G-001	Title Sheet
2G-002	Sheet Index
2G-003	Calgreen Code Compliance
2G-102	Code Site Plan
2G-201	Bldg 2 & 3 -Exit Analysis Plan
2G-202	Bldg 4 & 5 - Exit Analysis Plan
2G-203	Bldg 6 & 9 - Exit Analysis Plan
2G-204	Bldg 10 - Exit Analysis Plan
2G-900	Accessibility Clearances
Civil	
2-C0.1	Notes, Legend & Index
2-C1.1	Demolition Plan
2-C2.1	Grading & Drainage Plan
2-C3.1	Horizontal Control Plan
2-C4.1	Erosion Control Plan
2-C5.0	Details

Architectural

2A-021	Bldg 2 & 3 - Demolition Floor Plan
2A-022	Bldg 4 - Demolition Floor Plan
2A-023	Bldg 5 - Demolition Floor Plan
2A-024	Bldg 6 - Demolition Floor Plan
2A-025	Bldg 9 & 10 - Demolition Floor Plan

2A-026	Bldg 2, 3, & 4 - Demolition Reflected Ceiling Plan
2A-027	Bldg 5 & 6 - Demolition Reflected Ceiling Plan
2A-028	Bldg 5 - Enlarged Demo Plan
2A-031	Bldg 2 & 3 - Demo Exterior Elevations
2A-032	Bldg 4 & 5 - Demo Exterior Elevations
2A-033	Bldg 7 & 9 - Demo Exterior Elevations
2A-034	Bldg 10 - Demo Exterior Elevations
2A-111	Site Details
2A-201	Bldg 2, 3, & 4 - Floor Plans
2A-202	Bldg 5 & 6 - Floor Plans
2A-203	Bldg 9 & 10 - Floor Plans
2A-211	Bldg 2, 3, & 4 - Reflected Ceiling Plans
2A-212	Bldg 5 & 6 - Reflected Ceiling Plan
2A-251	Bldg 2, 3 & 4- Finish & Signage Plans
2A-252	Bldg 5 & 6 - Finish & Signage Plans
2A-253	Bldg 9 & 10 - Finish and Signage Plans
2A-254	Bldg 2 & 3 - Exterior Finishes
2A-256	Bldg 4 & 5 - Exterior Finishes
2A-257	Bldg 6 & 9 - Exterior Finishes
2A-301	Bldg 2 & 3 - Exterior Elevations
2A-302	Bldg 4 & 5 - Exterior Elevations
2A-303	Bldg 6 & 9 - Exterior Elevations
2A-304	Bldg 10 - Exterior Elevations
2A-501	Bldg 5 - Enlarged Plans and Elevations
2A-502	Bldg 2 & 4 - Enlarged Plans & Elevations
2A-601	Bldg 2, 3 & 4 - Interior Elevations
2A-602	BLdg 5 - Interior Elevations
2A-603	Bldg 5 & 6 - Interior Elevations
2A-604	BLdg 6 - Interior Elevations
2A-605	Bldg 9 & 10 - Interior Elevations
2A-606	Casework Elevations
2A-802	Door Schedule
2A-812	Window Schedule
2A-821	Door and Window Details
2A-911	Wall Types & Details
2A-922	Ceiling Details
2A-925	Signage Details
2A-931	Casework Details
2A-933	Casework Floor Plans
2A-934	Casework Floor Plans

Structural

2S-100	General Notes
2S-201	Foundation Plan Building 5

2S-501	Typical Concrete Details
2S-800	Nailing Schedule
2S-801	Framing Details

Electrical

2E000	General Information
2E001	General Information
2E002	Schedules
2E003	Schedules
2E100	Site Plan
2E200	Lighting Plans
2E201	Lighting Plans
2E202	Lighting Plans
2E203	Lighting Plans
2E204	Lighting Plans
2E300	Power & Signal Plans
2E301	Power & Signal Plans
2E302	Power & Signal Plans
2E303	Power & Signal Plans
2E304	Power & Signal Plans
2E305	Power & Signal Plans
2E306	Power & Signal Plans
2E401	Details
2E402	Details
2E501	Title 24
2E502	Title 24
2E503	Title 24

Fire Alarm

2F000	General Information
2F100	Site Plan
2F200	Fire Alarm Plans
2F201	Fire Alarm Plans
2F202	Fire Alarm Plans
2F203	Fire Alarm Plans
2F204	Fire Alarm Plans

Technology

2T-000	Technology Infrastructure Cover Sheet
2T-010	Technology Infrastructure Site Plan Demo
2T-020	Technology Infrastructure Floor Plans Demo
2T-021	Technology Infrastructure Floor Plans Demo
2T-022	Technology Infrastructure Floor Plans Demo
2T-023	Technology Infrastructure Floor Plans Demo
2T-100	Technology Infrastructure Site Plan New
2T-200	Technology Infrastructure Floor Plans New

2T-201	Technology Infrastructure Floor Plans New
2T-202	Technology Infrastructure Floor Plans New
2T-203	Technology Infrastructure Floor plans New
2T-300	Technology Infrastructure Reflected Ceiling Plans New
2T-301	Technology Infrastructure Reflected Ceiling Plans New
2T-302	Technology Infrastructure Reflected Ceiling Plans New
2T-303	Technology Infrastructure Reflected Ceiling Plans New
2T-700	Technology Infrastructure Single Lines
2T-701	Technology Infrastructure Single Line Diagrams
2T-800	Technology Infrastructure Details
2T-801	Technology Infrastructure Details
2T-802	Technology Infrastructure Details

3. <u>Rio Vista Elementary School</u>

Sheet Number	**Description**
General Information	
2G-001	Title Sheet
2G-002	Sheet Index
2G-003	Calgreen Code Compliance
2G-101	Code Site Plan
2G-201	Bldg 3 & 4 - Exit Analysis
2G-202	Bldg 6, 8 & 9 - Exit Analysis
2G-203	BLdg 10, 11 & 12 - Exit Analysis
2G-900	Accessibility Clearances
Civil	
2-C0.1	Notes, Legend & Index
2-C1.1	Demolition Plan
2-C2.1	Grading & Drainage Plan
2-C3.1	Underground Utilities Plan
2-C4.1	Notes, Legends & Details
2-C4.2	Notes, Legends & Details
2-C5.1	Horizontal Control Plan
2-C6.1	Erosion Control Plan
Landscape	
L1.1	Irrigation Plan
L2.1	Planting Plan
L3.1	Irrigation Details
L3.2	Irrigation and Planting Details
Architectural	
2A-021	Bldg 3 & 4 - Demolition Plan
2A-022	Bldg 6, 8 & 9 - Demolition Plan

2A-023	Bldg 10, 11, & 12- Demolition Plan
2A-025	Bldg 3 & 4 - Demolition Reflected Ceiling Plan
2A-026	Bldg 6, 8 & 9 - Demolition Reflected Ceiling Plan
2A-031	Bldg 3& 4 - Demolition Exterior Elevations
2A-032	Bldg 6 & 8 - Demolition Exterior Elevations
2A-033	Bldg 9, 10, 11 & 12 - Demolition Exterior Elevations
2A-102	Enlarged Site Plan
2A-103	Fence & Stair Plans
2A-111	Site Details
2A-112	Site Details
2A-201	Bldg 3 & 4 - Floor Plans
2A-202	Bldg 6, 8 & 9 - Floor Plan
2A-203	Bldg 10, 11 & 12 - Floor & roof Plans
2A-211	Bldg 3 & 4 - Reflected Ceiling Plan
2A-212	BLdg 6, 8 & 9- Reflected Ceiling Plan
2A-251	Bldg 3 & 4 - Finish & Signage Plan
2A-252	Bldg 6, 8 & 9 - Finish & Signage Plan
2A-253	Bldg 10, 11 & 12 - Finish & Signage Plan
2A-301	Bldg 1 & 2 - Exterior Elevations
2A-302	Bldg 3 & 4 - Exterior Elevations
2A-303	Bldg 5 & 6 - Exterior Elevations
2A-304	Bldg 7 & 8 - Exterior Elevations
2A-305	Bldg 9 & 10 - Exterior Elevations
2A-306	Bldg 11 & 12 - Exterior Elevations
2A-401	Bldg 3, 4, 6 & 8 - Building Sections
2A-402	Bldg 9 & 10 - Building Sections
2A-403	Bldg 2, 3, 5, 8 & 9 - Wall Sections
2A-501	Restroom Plan Enlargements
2A-502	Restroom Plan Enlargements
2A-503	Restroom Plan Enlargements
2A-601	Bldg 3 - Interior Elevations
2A-602	Bldg 4- Interior Elevations
2A-603	Bldg 4 & 6 - Interior Elevations
2A-604	Bldg 8 & 9 - Interior Elevations
2A-701	Exterior Details
2A-801	Door Schedule
2A-811	Window Schedule
2A-821	Door and Window Details
2A-911	Wall Types & Details
2A-921	Interior Details
2A-922	Interior Details
2A-924	Ceiling Details
2A-925	Signage Details

2A-926	Casework Details

Structural

2S-100	General Notes
2S-201	Building 3 Foundation Plan
2S-202	Building 8 & 9 - Foundation Plans
2S-203	Buildings 11 & 12 - Roof Framing Plans
2S-501	Typical Concrete Details
2S-800	Nailing Schedule
2S-801	Framing Details

Mechanical and Plumbing

2MP-001	Legends & Notes - Mechanical & Plumbing
2MP-002	Schedules - Mechanical & Plumbing
2MP-201	Bldg 3 & 4 - Demo & New Floor Plans
2MP-202	Bldg 6, 8 & 9 - Demo & New Floor Plans
2MP-203	Bldg 10, 11 & 12 - Demo & New Floor Plans
2MP-301	Bldg 11 & 12 - Demo & New Restroom Plans
2MP-401	Bldg 8 & 9 - Demo & New Restroom Plans
2MP-402	Bldg 3 - Demo & New Restroom Plans
2MP-501	Controls - Mechanical
2MP-601	Details - Mechanical & Plumbing
2MP-602	Details - Mechanical & Plumbing
2MP-801	T24 - Mechanical

Electrical

2E000	General Information
2E001	General Information
2E002	Schedules
2E003	Schedules
2E100	Site Plan
2E201	Lighting Plans
2E202	Lighting Plans
2E203	Lighting Plans
2E204	Lighting Plans
2E301	Power & Signal Plans
2E302	Power & Signal Plans
2E303	Power & Signal Plans
2E304	Power & Signal Plans
2E305	Power & Signal Plans
2E306	Power & Signal Plans
2E401	Details
2E402	Details
2E501	Title 24
2E502	Title 24
2E503	Title 24

2E504	Title 25
2E505	Title 26
2E506	Title 27

Fire Alarm

2F000	General Information
2F100	Site Plan
2F201	Fire Alarm Plans
2F202	Fire Alarm Plans
2F203	Fire Alarm Plans
2F204	Fire Alarm Plans
2F205	Fire Alarm Plans

Technology

2T-000	Technology Infrastructure Cover Sheet
2T-010	Technology Infrastructure Site Plan Demo
2T-020	Technology Infrastructure Floor Plans Demo
2T-021	Technology Infrastructure Floor Plans Demo
2T-100	Technology Infrastructure Site Plan New
2T-200	Technology Infrastructure Floor Plans New
2T-201	Technology Infrastructure Floor Plans New
2T-300	Technology Infrastructure Reflected Ceiling Plans New
2T-301	Technology Infrastructure Reflected Ceiling Plans New
2T-700	Technology Infrastructure Single Lines
2T-701	Technology Infrastructure Single Line Diagrams
2T-800	Technology Infrastructure Details
2T-801	Technology Infrastructure Details
2T-802	Technology Infrastructure Details
2T-803	Technology Infrastructure Details

SCHEDULES

The following is the anticipated schedule for this Project.

Activity	**Date**
Issue Bid	October 21, 2024
Mandatory Bid Walk	**November 12, 2024 @ 2:00 p.m.**
Request for Information Deadline	**November 8, 2024 @ 3:00 p.m.**
Bids Due	**November 22, 2024 @ 10:00 a.m.**
Board Action	December 11, 2024
Anticipated Notice of Award	December 12, 2024
Contract Documentation	December 20, 2024
Anticipated Notice to Proceed	January 27, 2025
Construction Begins	January 27, 2024
Phase 1 Occupancy (Milestone #1)	**March 24, 2025**
Phase 2 Occupancy (Milestone #2)	**May 15, 2025**
Phase 3 Occupancy (Milestone #3)	**July 11, 2025**

Project Completion (Milestone #4)	**July 11, 2025**
Anticipated Close out Documentation	August 15, 2025
Anticipated Boad Action Notice of Completion	September 10, 2025

END OF DOCUMENT

DOCUMENT 00 31 19

EXISTING INFORMATION AND DOCUMENTATION REGARDING PROJECT SITES

1. Summary

This document describes existing conditions at or near the Project and use of information available regarding existing conditions. This document is **not** part of the Contract Documents. See General Conditions for definition(s) of terms used herein. Contractor is required to request from the District a copy of any reports that it believes are necessary to perform Contractor's Work in a safe, efficient and workman-like manner.

2. Reports and Information on Existing Conditions

a. Documents providing a general description of the Site and conditions of the Work may have been collected by District, its consultants, contractors, and tenants. These documents may include previous contracts, contract specifications, tenant improvement contracts, as-built drawings, utility drawings, and information regarding underground facilities.

b. Information regarding existing conditions may be inspected at the District offices or the Construction Manager's offices, if any, and copies may be obtained at cost of reproduction and handling upon Bidder's agreement to pay for such copies. These reports, documents, and other information are **not** part of the Contract Documents.

c. Information regarding existing conditions may also be included in the Project Manual, but shall **not** be considered part of the Contract Documents.

d. The reports and other data or information regarding existing conditions and underground facilities at or contiguous to the Project are the following:

(1) Record As-Builts

(A) Meadow Homes Elementary School

(i) 8711-37 Pages
(ii) 10361-19 Pages
(iii) 13225-13 Pages

(B) Mt. Diablo Elementary School

(i) 11661-26 Pages
(ii) 31391-20 Pages

(C) Rio Vista Elementary School

(i) 11017-43 Pages
(ii) 49778-13 Pages

(2) Survey of Site-Topographic

(3) Asbestos and Lead in Paint Survey Report. Hazardous material survey report, prepared for this project and/or these project sites:

Title: Asbestos & Lead Paint Survey Report – Meadow Homes Elementary School
Date: September 5, 2023
Author: Ralph Guzman

Title: Asbestos & Lead Paint Survey Report – Mt. Diablo Elementary School
Date: September 5, 2023
Author: Ralph Guzman

Title: Asbestos & Lead Paint Survey Report – Rio Vista Elementary School
Date: September 5, 2023
Author: Ralph Guzman

3. Use of Information

a. Information regarding existing conditions was obtained only for use of District and its consultants, contractors, and tenants for planning and design and is **not** part of the Contract Documents.

b. District does not warrant, and makes no representation regarding, the accuracy or thoroughness of any information regarding existing conditions. Bidder represents and agrees that in submitting a bid it is not relying on any information regarding existing conditions supplied by District.

c. Under no circumstances shall District be deemed to warrant or represent existing above-ground conditions, as-built conditions, or other actual conditions, verifiable by independent investigation. These conditions are verifiable by Contractor by the performance of its own independent investigation that Contractor must perform as a condition to bidding, and Contractor should not and shall not rely on this information or any other information supplied by District regarding existing conditions.

d. Any information shown or indicated in the reports and other data supplied herein with respect to existing underground facilities at or contiguous to the Project may be based upon information and data furnished to District by the District's employees and/or consultants or builders of such underground facilities or others. District does not assume responsibility for the completeness of this information, and Bidder is solely responsible for any interpretation or conclusion drawn from this information.

e. District shall be responsible only for the general accuracy of information regarding underground facilities, and only for those underground facilities that are owned by District, and only where Bidder has conducted the independent investigation required of it pursuant to the Instructions to Bidders, and discrepancies are not apparent.

4. Limited Reliance on Certain Information

a. Reference is made herein for identification of:

(1) Reports of explorations and tests of subsurface conditions at or contiguous to the Site that have been utilized by District in preparation of the Contract Documents.

(2) Drawings of physical conditions in or relating to existing subsurface structures (except underground facilities) that are at or contiguous to the Site and have been utilized by District in

ABBREVIATIONS

AC	ASPHALT
AD	AREA DRAIN
AL	AREA LIGHT
BBALL	BASKETBALL POLE
BC	BUILDING CORNER
BNCH	BENCH
BOL	BOLLARD
BOW	BACK OF WALK
CB	CATCH BASIN
CLF	CHAIN-LINK FENCE
COM	COMMUNICATIONS
CONC	CONCRETE
CR	CROWN
DI	DRAIN INLET
DW	DRY WELL
E BOX	ELECTRIC BOX
E PNL	ELECTRIC PANEL
E VLT	ELECTRIC VAULT
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
FOC	FACE OF CURB
GB	GRADE BREAK
GM	GAS METER
GND	GROUND ELEVATION
GUY	GUY WIRE
HNG	HINGE
HPS	DISABLED PARKING STRIPE
HR	HAND RAIL
ICV	IRRIGATION CONTROL VALVE
JP	JOINT POLE
LCH	LATCH
LIP	LIP OF GUTTER
PS	PARKING STRIPE
RPS	RUBBERIZED PLAY SURFACE
RTW	RETAINING WALL
SDMH	STORM DRAIN MAN HOLE
SL	STREETLIGHT
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MAN HOLE
TC	TOP OF CURB
VG	VALLEY GUTTER
WD FNC	WOOD FENCE
WIF	WROUGHT IRON FENCE
WF	WATER FOUNTAIN
WM	WATER METER
WV	WATER VALVE
XFRMR	TRANSFORMER

LEGEND

BUILDING LINE

CHAIN-LINK FENCE

WOOD FENCE

WROUGHT IRON FENCE

UNDERGROUND ELECTRIC

UNDERGROUND GAS

UNDERGROUND IRRIGATION

UNDERGROUND JOINT UTILITIES

UNDERGROUND STORM

UNDERGROUND STREETLIGHT

UNDERGROUND UNKNOWN

UNDERGROUND WATER

ELEVATION DATUM:
ELEVATIONS ARE BASED UPON GPS OBSERVATION = NAVD88

NOTES:

1.) UTILITY NOTE;
THE TYPES, LOCATIONS, SIZES AND/OR DEPTH OF EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.

EXISTING BUILDING
43.50 F.F. ±

EXISTING BUILDING
43.50 F.F. ±

EXISTING BUILDING
43.54 F.F. ±

UNMARKED PVC IRRIGATION IN PLANTED AREAS

UNMARKED PVC IRRIGATION IN PLANTED AREAS

UNMARKED PVC IRRIGATION IN PLANTED AREAS

0 5 10 20 Feet
1"=10'

MARK	DATE	DESCRIPTION	BY
		REVISIONS	

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave **Concord** **California**

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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CARROLL ENGINEERING
civil engineers and surveyors
1120 S. WINCHESTER BLVD.
SUITE L-184
SAN JOSE, CA 95128
TEL: 408-261-0595
FAX: 408-261-0599
E-MAIL: RichardCarroll@carroll-engineering.com

SHEET
1
OF 7 SHEETS

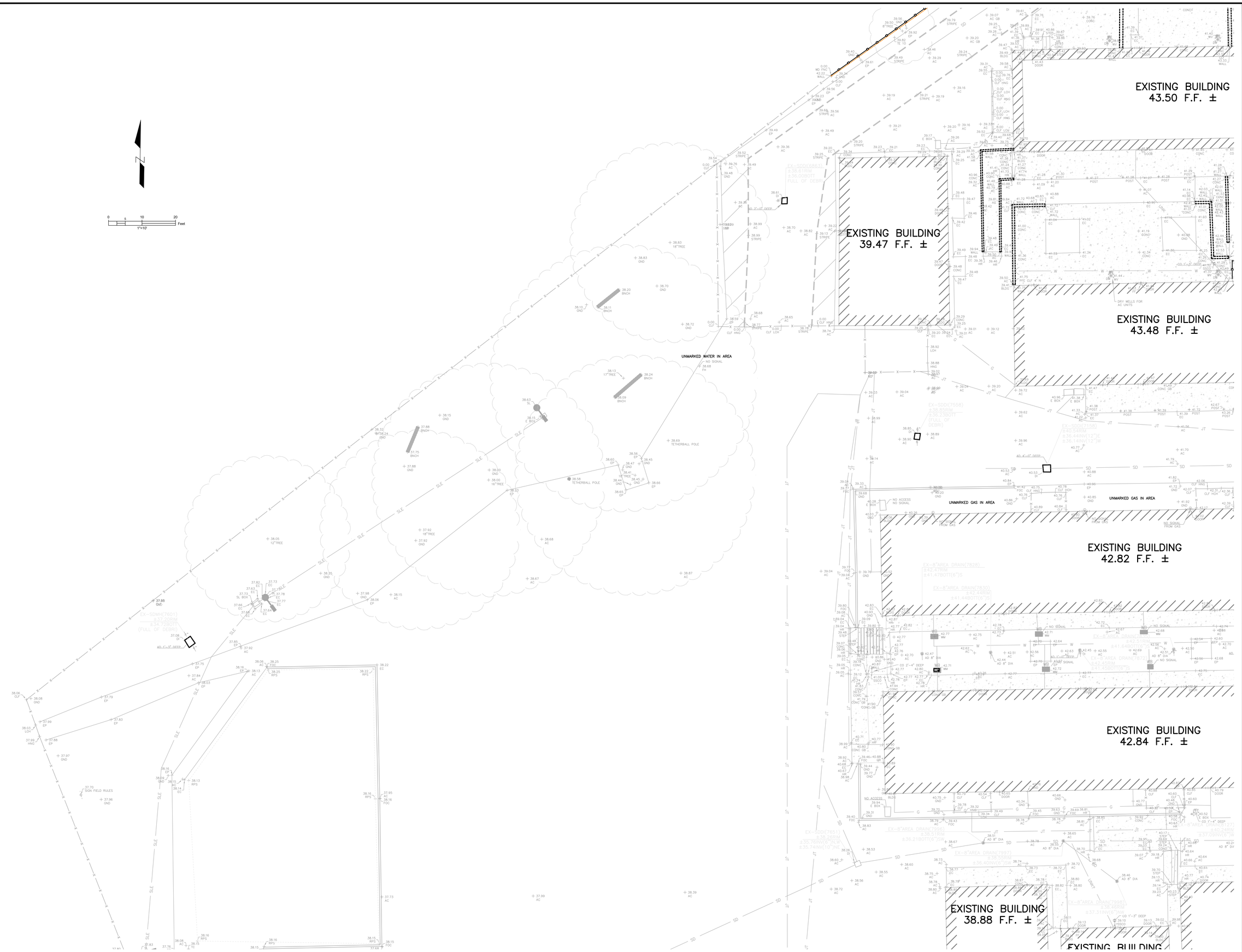
JOB NO. 3052

Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours; and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

C:\Users\Philip\Desktop\3052topo.dwg 11-30-23 08:34:52 AM philip

Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, even though design professional may have been negligent, except for the sole negligence or willful misconduct of design professional.



TOPOGRAPHIC SURVEY

MEADOW HOMES ELEMENTARY SCHOOL

1371 Detroit Ave **Concord** **California**

MARK	DATE	DESCRIPTION REVISIONS	BY

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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engineers and surveyors
1151 S. WINCHESTER BLVD.
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SAN JOSE, CA 95128
PHONE: 408-261-0595
FAX: 408-261-0595
e-mail: info@carroll-engineering.com

SHEET 2 OF 7 SHEETS

JOB NO. 3052

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EXISTING BUILDING
43.50 F.F. ±

EXISTING BUILDING
43.54 F.F. ±

EXISTING BUILDING
43.64 F.F. ±

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
42.82 F.F. ±

EXISTING BUILDING
43.32 F.F. ±

EXISTING BUILDING
43.47 F.F. ±

EXISTING BUILDING
42.84 F.F. ±

EXISTING BUILDING
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EXISTING BUILDING
43.53 F.F. ±

EXISTING BUILDING
38.88 F.F. ±

EXISTING BUILDING
40.76 F.F. ±

EXISTING BUILDING
40.82 F.F. ±

EXISTING BUILDING
42.66 F.F. ±

EXISTING BUILDING
39.14 F.F. ±

UNMARKED GAS IN AREA

UNMARKED WATER AND GAS IN AREA

0 5 10 20 Feet
1"=10'

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave **Concord** **California**

MARK	DATE	DESCRIPTION REVISIONS	BY

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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FAX: 408-261-0695
Email: info@carroll-engineering.com

SHEET
3
OF 7 SHEETS

JOB NO. 3052

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EXISTING BUILDING
43.64 F.F. ±

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
43.32 F.F. ±

EXISTING BUILDING
43.47 F.F. ±

EXISTING BUILDING
43.33 F.F. ±

EXISTING BUILDING
43.53 F.F. ±

EXISTING BUILDING
40.82 F.F. ±

EXISTING BUILDING
42.66 F.F. ±

UNMARKED GAS IN AREA

UNMARKED WATER AND GAS IN AREA

UNMARKED GAS IN AREA

UNMARKED GAS IN AREA

0 5 10 20 Feet
1"=10'

MARK	DATE	DESCRIPTION REVISIONS	BY

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave
Concord **California**

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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engineers and surveyors
1100 S. WINCHESTER BLVD.
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SAN JOSE, CA 95128
PHONE: 408-261-6995
FAX: 408-261-0995
EMAIL: RHOP@carroll-engineering.com

SHEET
4
OF 7 SHEETS

JOB NO. 3052

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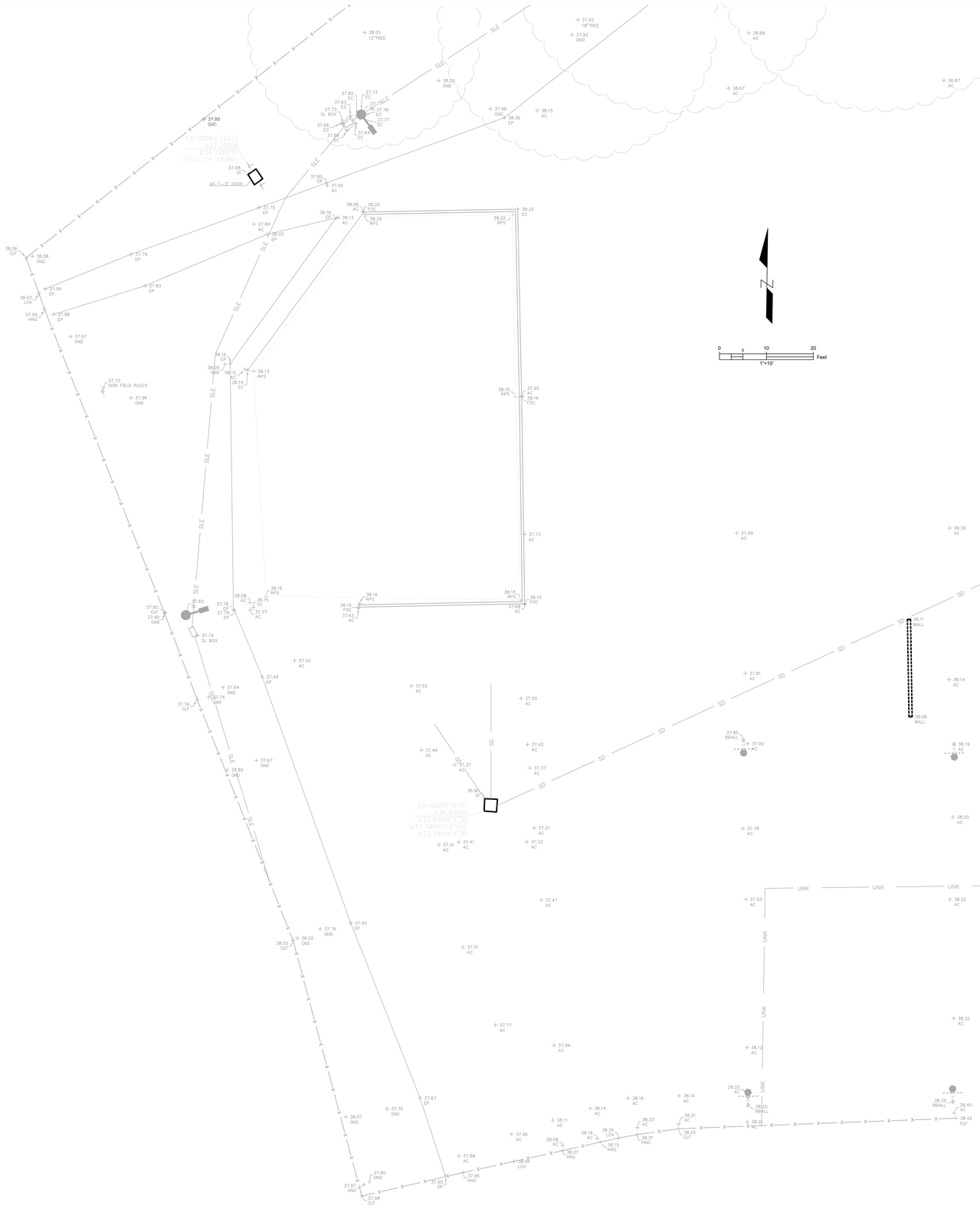
C:\Users\Phil\Desktop\3052topo.dwg 11-30-23 08:36:53 AM philip


EX-SDMH(7601)
±37.20RIM
±34.72BOTT(6")S
(FULL OF DEBRIS)
EX-SDDI(7010)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDMH(7602)
±37.20RIM
±34.72BOTT(6")S
EX-SDDI(7011)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7012)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7013)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7014)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7015)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7016)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7017)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7018)
±36.95RIM
±33.95INW(6")N
±33.74INW(10")NE
±33.54INW(4")W

EXISTING BUILDING
42.82 F.F. ±

EXISTING BUILDING
42.84 F.F. ±

EXISTING BUILDING
43.32 F.F. ±

EXISTING BUILDING
43.33 F.F. ±

EXISTING BUILDING
43.47 F.F.

EXISTING BUILDING
43.53 F.F. ±

EXISTING BUILDING
38.88 F.F. ±

EXISTING BUILDING
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EXISTING BUILDING
40.76 F.F. ±

EXISTING BUILDING
40.82 F.F. ±

EXISTING BUILDING
42.66 F.F. ±

EXISTING BUILDING
40.87 F.F. ±

EXISTING BUILDING
40.50 F.F. ±

EXISTING BUILDING
39.41 F.F. ±

UNMARKED GAS IN AREA

UNMARKED WATER IN AREA

UNMARKED WATER AND GAS IN AREA

NO ACCESS

NO SIGNAL

SIGNAL LOST

0 5 10 20 Feet
1"=10'

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave
Concord California

MARK	DATE	DESCRIPTION	BY
		REVISIONS	

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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1101 S. WINCHESTER BLVD.
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SAN JOSE, CA 95128
PHONE: 408-241-6600
FAX: 408-241-0595
www.carroll-engineering.com

SHEET
6
OF 7 SHEETS

JOB NO. 3052

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C:\Users\Philip\Desktop\3052dogs.dwg 11-30-23 08:37:58 AM philip

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
43.47 F.F. ±

ISTING BUILDING
43.32 F.F. ±

ISTING BUILDING
43.33 F.F. ±

EXISTING BUILDING
43.53 F.F. ±

EXISTING BUILDING
40.82 F.F. ±

EXISTING BUILDING
42.66 F.F. ±

ISTING BUILDING
40.50 F.F. ±

TRANSFORMER

GAS MAIN

TRANSFORMER

ABANDONED?

WATER VALVET

UNMARKED GAS IN AREA

UNMARKED WATER AND GAS IN AREA

UNMARKED GAS IN AREA

UNMARKED GAS IN AREA

NO ACCESS

SIGNAL LOST

SIGN RESERVED VICE PRINCIPAL

SIGN RESERVED OFFICE STAFF

SIGN RESERVED OFFICE STAFF

SIGN RESERVED OFFICE STAFF

SIGN STAFF PARKING

SIGN PARK RULES

EMPTY

EMPTY

20" TREE

14" TREE

6" TREE

14" TREE

N

0 5 10 20 Feet
1"=10'

Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property, that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

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MARK	DATE	DESCRIPTION	BY
		REVISIONS	

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave
Concord **California**

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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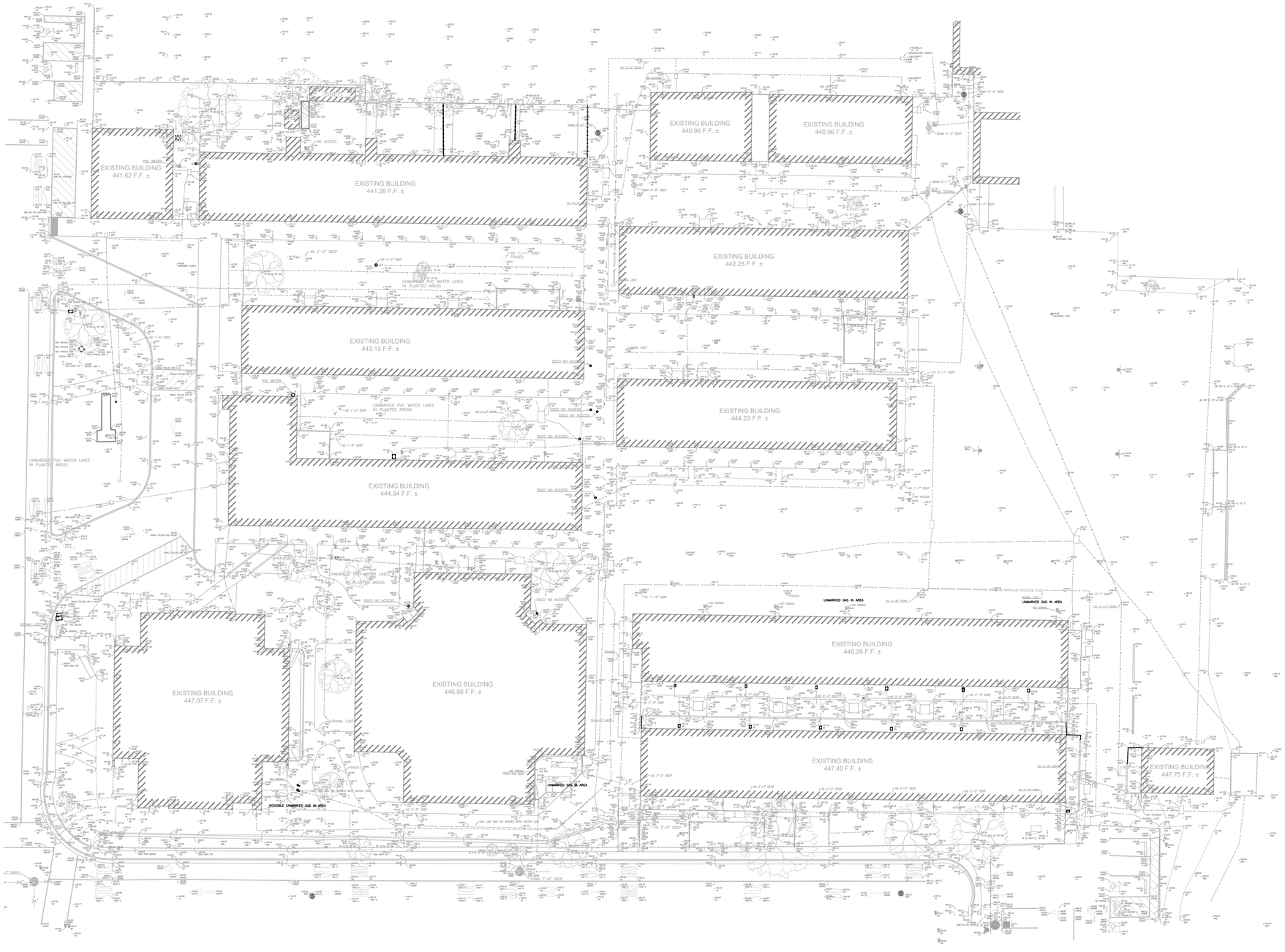
engineers and surveyors
1101 S. WINCHESTER BLVD.
SUITE S-H84
SAN JOSE, CA 95128
PHONE: 408-296-2000
FAX: 408-261-0595
E-MAIL: info@carroll-engineering.com

SHEET
7
OF 7 SHEETS

JOB NO. 3052

C:\Users\Philip\Desktop\3052topo.dwg 11-30-23 08:38:30 AM philip


EXISTING BUILDING
441.62 F.F. ±
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446.26 F.F. ±
EXISTING BUILDING
447.40 F.F. ±
EXISTING BUILDING
447.75 F.F. ±
UNMARKED PVC WATER LINES IN PLANTED AREAS
UNMARKED GAS IN AREA
POSSIBLE UNMARKED GAS IN AREA
GAS LINE MAY BE BURIED WITH WATER LINE
NO ACCESS
SSCO NO ACCESS
NO SIGNAL
SIGNAL LOST
FOUND
PVC WATER
PVC SIGNAL
STORM 9" DEEP
STORM 6'-6" DEEP
STORM 6'-0" DEEP
STORM 5'-0" DEEP
STORM 4'-0" DEEP
STORM 3'-0" DEEP
STORM 2'-0" DEEP
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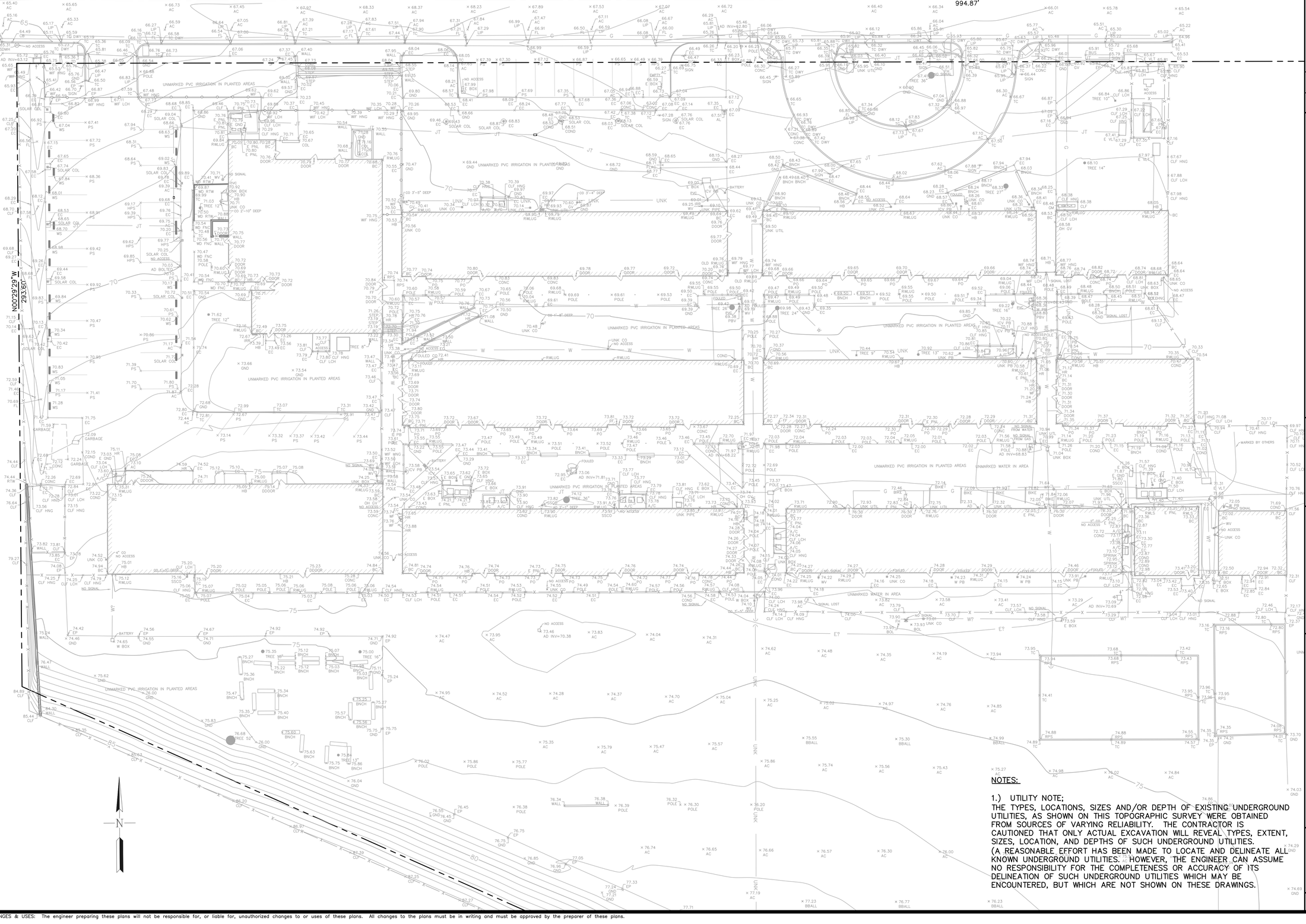
GS 100'-0" DEEP



NOTES:

1.) UTILITY NOTE;
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MARK	DATE	DESCRIPTION	BY
		REVISIONS	

TOPOGRAPHIC SURVEY
RIO VISTA ELEMENTARY SCHOOL
611 Pacifica Ave
Bay Point **California**

LICENSED LAND SURVEYOR — PHILIP C. WOOTTON — No. 8398 — STATE OF CALIFORNIA

DATE: 11/20/2023
SCALE: 1"=20'
DRAWN BY: WAK
DESIGNED BY:
CHECKED BY: PCW

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CARROLL ENGINEERING
engineers and surveyors
1101 S. WINCHESTER BLVD.
SUITE H-184
SAN JOSE, CA 95128
PH: 408.241-9866
FAX: 408.261-0995
E-MAIL: RobertMcarroll-engineering.com

SHEET
1/2

JOB NO. 3054

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C:\Users\Will\AppData\Local\Temp\AcPublish_28568\3054topo.dwg 11-20-23 12:59:22 PM Will

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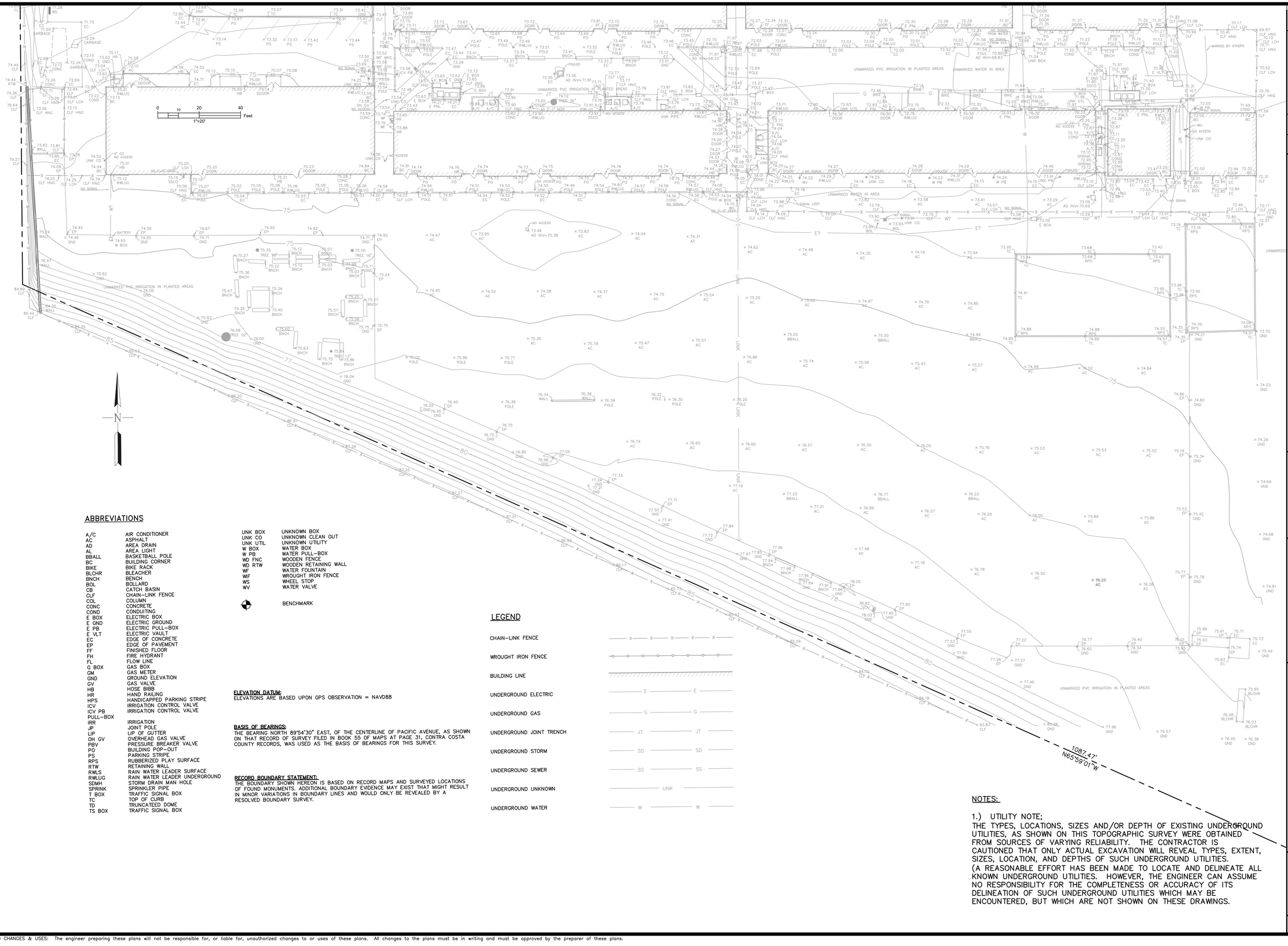

ABBREVIATIONS

A/C	AIR CONDITIONER
AC	ASPHALT
AD	AREA DRAIN
AL	AREA LIGHT
BBALL	BASKETBALL POLE
BC	BUILDING CORNER
BIKE	BIKE RACK
BLCHR	BLEACHER
BNCH	BENCH
BOL	BOLLARD
CB	CATCH BASIN
CLF	CHAIN-LINK FENCE
COL	COLUMN
CONC	CONCRETE
COND	CONDUITING
E BOX	ELECTRIC BOX
E GND	ELECTRIC GROUND
E PB	ELECTRIC PULL-BOX
E VLT	ELECTRIC VAULT
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
G BOX	GAS BOX
GM	GAS METER
GND	GROUND ELEVATION
GV	GAS VALVE
HB	HOSE BIBB
HR	HAND RAILING
HPS	HANDICAPPED PARKING STRIPE
ICV	IRRIGATION CONTROL VALVE
ICV PB PULL-BOX	IRRIGATION CONTROL VALVE
IRR	IRRIGATION
JP	JOINT POLE
LIP	LIP OF GUTTER
OH GV	OVERHEAD GAS VALVE
PBV	PRESSURE BREAKER VALVE
PO	BUILDING POP-OUT
PS	PARKING STRIPE
RPS	RUBBERIZED PLAY SURFACE
RTW	RETAINING WALL
RWLS	RAIN WATER LEADER SURFACE
RWLUG	RAIN WATER LEADER UNDERGROUND
SDMH	STORM DRAIN MAN HOLE
SPRINK	SPRINKLER PIPE
T BOX	TRAFFIC SIGNAL BOX
TC	TOP OF CURB
TD	TRUNCATED DOME
TS BOX	TRAFFIC SIGNAL BOX

UNK BOX	UNKNOWN BOX
UNK CO	UNKNOWN CLEAN OUT
UNK UTIL	UNKNOWN UTILITY
W BOX	WATER BOX
W PB	WATER PULL-BOX
WD FNC	WOODEN FENCE
WD RTW	WOODEN RETAINING WALL
WF	WATER FOUNTAIN
WIF	WROUGHT IRON FENCE
WS	WHEEL STOP
WV	WATER VALVE

BENCHMARK

ELEVATION DATUM:
ELEVATIONS ARE BASED UPON GPS OBSERVATION = NAVD88

BASIS OF BEARINGS:
THE BEARING NORTH 89°54'30" EAST, OF THE CENTERLINE OF PACIFIC AVENUE, AS SHOWN ON THAT RECORD OF SURVEY FILED IN BOOK 55 OF MAPS AT PAGE 31, CONTRA COSTA COUNTY RECORDS, WAS USED AS THE BASIS OF BEARINGS FOR THIS SURVEY.

RECORD BOUNDARY STATEMENT:
THE BOUNDARY SHOWN HEREON IS BASED ON RECORD MAPS AND SURVEYED LOCATIONS OF FOUND MONUMENTS. ADDITIONAL BOUNDARY EVIDENCE MAY EXIST THAT MIGHT RESULT IN MINOR VARIATIONS IN BOUNDARY LINES AND WOULD ONLY BE REVEALED BY A RESOLVED BOUNDARY SURVEY.

LEGEND

CHAIN-LINK FENCE
WROUGHT IRON FENCE
BUILDING LINE
UNDERGROUND ELECTRIC
UNDERGROUND GAS
UNDERGROUND JOINT TRENCH
UNDERGROUND STORM
UNDERGROUND SEWER
UNDERGROUND UNKNOWN
UNDERGROUND WATER

NOTES:

1.) UTILITY NOTE;
THE TYPES, LOCATIONS, SIZES AND/OR DEPTH OF EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES.
(A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.

MARK	DATE	DESCRIPTION	BY
		REVISIONS	

TOPOGRAPHIC SURVEY
RIO VISTA ELEMENTARY SCHOOL
611 Pacifica Ave
Bay Point California

LICENSED LAND SURVEYOR WILLIAM A. WOLTON No. 8398 STATE OF CALIFORNIA

DATE: 11/20/2023
SCALE: 1"=20'
DRAWN BY: WAK
DESIGNED BY:
CHECKED BY: PCW

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SHEET
2/2

JOB NO. 3054

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

C:\Users\Will\AppData\Local\Temp\AcePublish_28568\3054topo.dwg 11-20-23 01:00:23 PM Will

Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
246 30th Street, Ste. 102, Oakland, CA 94611

ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Meadow Homes Elementary School
1371 Detroit Ave.,
Concord, CA 94520

Prepared for:

Mount Diablo Unified School District
Ms. Melanie Koslow
Director of Facilities & Bonds
Maintenance & Operations
1480 Gasoline Alley
Concord, CA 94520

Enviro-S.T.A.R. Project No. 23-419
September 7, 2023

Prepared by:



Ralph P. Guzman
Certified Asbestos Consultant #93-0965
CDPH: #I/A, #4063 PM #4064

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- Lead in Paint Sample Laboratory Report & Chain-of-Custody Sheet
- Lead in Ceramic Tile Sample Laboratory Report & Chain-of-Custody Sheet

ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Meadow Homes Elementary School
1371 Detroit Ave.,
Concord, CA 94520

1.0 Introduction

Enviro-STAR, Inc., is pleased to submit the Asbestos-Containing Materials (ACM's) and Lead in Paint survey conducted at Meadow Homes Elementary School, located at 1371 Detroit Ave., Concord, CA 94520. The purpose of the survey was to inspect and collect suspect asbestos and lead in paint samples of the materials subject to disturbance during the planned school renovation work. The survey was conducted on September 7, 2023.

The survey focused on the collection of the following building construction materials for the presence of asbestos and lead:

- Vinyl floor tiles & associated mastic;
- Linoleum;
- Vinyl sheeting;
- Vinyl base cove & adhesive;
- Drywall & taping mud;
- Ceramic tile grout;
- Ceiling acoustical tiles;
- Ceiling tile adhesive;
- Window putty; and
- Carpet glue.

The renovation work will entail the removal and/or disturbing the materials listed above, throughout the school classrooms and ancillary facilities.

A total of thirty-one (31) suspect asbestos materials were collected, that include: vinyl floor tile and associated mastics, linoleum, window putty, drywall texture skim coat, drywall taping mud, and ceiling tiles.

Additionally, ten (10) representative paint samples were collected from various painted components.

Ceramic tile was collected from the Admin Office Unit-sex restroom and analyzed for lead content.

2.0 Asbestos Sampling Methodology

Representative asbestos bulk samples were collected from the materials identified above. Sampling of the suspected ACM was performed in a manner that is consistent with industry standards. The samples were collected using hand tools which are routinely decontaminated between each sampling to prevent

cross contamination. The individual samples were placed into a separate, clean ziploc sample bags and assigned a unique sample identification number. The number and type of sample collected was chosen in a "manner sufficient to determine" asbestos content for the materials subject to being disturbed during the renovation and reconstruction activities.

3.0 Asbestos Laboratory Analytical Method

Material identification of the suspect asbestos samples was performed by EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA, using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the U.S. EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July, 1993).

4.0 Interpretation of Results

None Detected

When "None Detected" appears on a report, it means that asbestos was not observed and that, if present, it exists in concentrations less than the limit of reliable detection (< 1%) and/or the fiber dimensions are too small for accurate optical microscopic resolution by normal PLM methodology.

Trace Asbestos

Reported results are the microscopist's visual estimate by area of asbestos concentration. These estimates are then formulated into results given in percent of asbestos by weight. Results for heterogeneous samples examined by component are reported as a composite. For example, if sheetrock joint compound percentage was 2-3% asbestos, the composite result may be reported as <1% (Trace), asbestos for the sheetrock system. The lower limit of reliable detection for the PLM method is 1%. Samples which contain more than 1% asbestos are reported in 1% ranges.
Samples which contain asbestos in a concentration lower than the limit of reliable detection (<1%) are reported as <1% (Trace) asbestos. For a lower limit of detection, "point counting" gravimetry is used. This method is described below.

Point Counting

Bay Area Air Quality Management District (BAAQMD) require point counting results to be reported on their removal notifications for certain materials with PLM results of less than 10% asbestos or assume these materials are ACM. Point counting is conducted by the EPA Method 600/R-93/116 or 600/M4-82-020. This method involves ashing the sample in a furnace and then re-weighing it to determine the amount of material lost on ignition. Acidified water is added and the sample is ultrasonicated to break up solid materials. This material is then filtered, dried, weighed and the filter residue is then analyzed by PLM. Laboratory protocol states that the limit of detection for point counting using 1000 points, is 0.10 area estimates. This point count is then multiplied by the reduction factor (RF) to obtain the actual percentage of asbestos. Percentage levels of 0.1% or greater up to 1%, are considered to be Asbestos Containing Construction Materials (ACCM) by Cal/OSHA.

5.0 Asbestos Material Categories

Federal regulations provide "categories" to classify asbestos material types. In California, Air Quality Management Districts require ACM be listed by category in their notification forms. Table 1 below,

which provides the asbestos sampling results, also provides categories for these materials.

The **Regulated Asbestos Containing Material (RACM)** category designation is for friable asbestos, sprayed on or troweled-on surfacing, fireproofing or thermal system insulation (TSI).

The **Category I** designation is used for non-friable materials such as: tar based roofing, mastics, putties, paints, vinyl floor tile and resilient sheet flooring (excepting the friable paper backing). Note vinyl floor Tile and associated mastic are considered to be friable by some mechanical removal or demolition means.

The **Category II** designation is used for certain other types of non-friable materials such as: Transite pipe and panels, cementitious products, gaskets, clapboard, siding shingles, or any non-friable materials that would be rendered friable by mechanical means during removal. Category I materials may be demolished in place depending upon the means of demolition.

6.0 Asbestos Laboratory Results

According the laboratory analysis results (see Table I) the following materials were analyzed as containing asbestos:

- Interior window putty,
- Drywall texture skim coat,
- Drywall taping mud, and
- Black mastic.

The following materials were analyzed as Asbestos not detected:

- 12" x 12" gray vinyl floor tile & mastic;
- Plaster & skim coat;
- Window putty;
- 12" x 12" nailed acoustical tile;
- 12" x 12" acoustical tile & adhesive;
- Vinyl base cove & adhesive; and
- Leveling compound.

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0907-01	Room #1 - Floor	12" 12" gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0907-02	Room #1 - Interior window	Putty	ND	n/a

TABLE I ASBESTOS SAMPLING RESULTS				
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**
0907-03	Room #1 - Upper wall, near rear door	Plaster & skim coat	Plaster: ND Skim coat: ND	n/a n/a
0907-04	Room #2 - Floor	12" 12" gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
*0907-05	Room #2 - Interior window	Putty	ND	n/a
0907-06	Admin Office - Floor	12" 12" gray vinyl tile & yellow glue	Tile: ND Mastic: ND	n/a n/a
0907-07	Admin Office - Ceiling	12" x 12" nailed perforated acoustical tile	ND	n/a
0907-08	Admin Office - Floor	Black vinyl base cove	ND	n/a
*0907-09	Admin Office - Interior window	Putty	**<1% Chry	Assumed RACM
0907-10	Library Office - Wall	Texture skim coat	**2% Chry**	I
0907-11	Library Office #1- Wall	Taping mud	**2% Chry**	I
0907-12	Library - E. Wing - Ceiling	Brn. Tile adhesive	ND	n/a
0907-13	Library - E. Wing - Ceiling	White plaster-like substrate	ND	n/a
0907-14	Library - E. Wing - Floor	Black mastic under carpet	**<1% Chry**	Assumed I
0907-15	Library - E. Wing - Floor	Residual base cove adhesive	ND	n/a
0907-16	Room #5- Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a

TABLE I ASBESTOS SAMPLING RESULTS				
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**
0907-17	Room #6- Floor	12" x 12" Lt. Gray vinyl tile & yellow glue	Not analyzed	---
0907-18	Room #7- Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-19	Room #14 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-20	Room #14 - Wall	Plaster & skim coat	ND	n/a
0907-21	Room #13 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-22	Room #12 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-23	Room #11 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-24	Room #10 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-25	Teacher's lounge - Floor	12" x 12" Lt. Gray vinyl tile & yellow glue	Not analyzed	---
0907-26	Multi-Use Bldg. - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0907-27	Multi-Use Bldg. - Floor, ladder storage under stage	Residual leveling compound	ND	n/a
0907-28	Room #19 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0907-29	Room #18 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-30	Room #16 - Floor	12" x 12" Lt. Gray vinyl tile & Yellow glue	Not analyzed	---
0907-31	Room #15 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---

Footnotes:
Method of Analysis - (PLM) Polarized Light Microscopy EPA/600/R-93/116, 1993.
Chry - Chrysotile Asbestos
Note: Several 12" x 12" gray vinyl floor tile samples were not analyzed. This was due to the tile being homogeneous to other vinyl tile that was analyzed as None Detect for asbestos.

* According to EPA's asbestos sampling and interpretation of results "when a homogeneous material tests positive for asbestos, all similar materials are assumed to contain asbestos, even if reported as None Detect for asbestos".

**According to NESHAP regulations, refer to this report: Section 4.0 Interpretation of Results, Point Counting, samples with a result of <10% are considered RACM unless "point count" analysis determines the result to be <1%.

7.0 Applicable Regulatory Agencies

The United States Environmental Protection Agency (USEPA) classifies a building material as asbestos-containing when the material is found to contain asbestos in quantities of greater than one-percent (>1%) by weight. This classification is the same as Cal-OSHA's (State of California-Occupational Safety and Health Administration) definition of an **Asbestos-Containing Material (ACM).** However, Cal-OSHA has an additional classification for manufactured materials found to contain asbestos in quantities between 0.1% to 1% (one tenth to one percent) by weight. According to Cal-OSHA's Asbestos Construction Standard CCR Title 8, Section 1529 this material is classified as **"Asbestos-Containing Construction Material (ACCM)"**.

Cal-OSHA and Bay Area Air Quality Management District (BAAQMD) require notification if the ACM will be disturbed in quantities set forth by these respective agencies. Additionally, Cal-OSHA classification of manufactured building materials as ACM and/or ACCM (when the ACCM will be disturbed by renovation activities and in quantities of greater than one hundred (100) feet requires removal of the ACCM to be performed by a contractor who is a DOSH registered asbestos contractor. The ACM / ACCM removal work must be performed utilizing appropriate work practices,

proper engineering controls, respirator protection and workers under medical surveillance, with the appropriate medical an training certificates.

8.0 Lead-Based Paint Survey

Ten (10) representative paint chip samples were collected from various components subject to disturbance during the renovation construction phases. The samples were delivered to EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA 94577. The samples were analyzed by Flame Atomic Absorption Spectrometry with EPS's "Standard Operating Procedures for Lead in Paint by Hotplate, or, Microwave-based Acid digestion and Atomic Absorption or inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213. NDIS Document No. PB92-114172.

9.0 Lead-Based Paint Results

California Department of Public Health (CDPH) and the US Environmental Protection Agency (USEPA) defines LBP as *"paint or other surface coatings that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or equal to or in excess of half of one percent (0.5%); or equal to or in excess of 5,000 ppm (parts per million)".* Detectible lead below these levels are known as LCP.

According to the laboratory results seven (7) paint samples were identified as Lead-Based Paint (LBP) ; three (3) were reported as Lead-Containing Paint (LCP) other two were analyzed at "below the limit of detection", as noted in Table II.

TABLE II
PAINT CHIP SAMPLE RESULTS

Sample No.	Location	Description	Results	
			Weight Percent (%)	ppm
0907-01Pb	Room #1 - Interior window frame	Yellow paint	**0.58**	**5,800**
0907-02Pb	Room #1 - Exterior window frame	Green paint	*0.24*	*2,400*
0907-03Pb	Room #1 - Rear door, wooden stop	Yellow paint	**1.0**	**10,000**
0907-04Pb	Room #1 - Rear exterior window frame	Green paint	*0.27*	*2,700*
0907-05Pb	Library- interior window frame	Yellow paint	*0.37*	*3,700*
0907-06Pb	Room #14- West exterior wall, plywood	Yellow paint	*0.25*	*2,500*
0907-07Pb	Room #14- Interior window frame	White paint	*0.23*	*2,300*

TABLE II PAINT CHIP SAMPLE RESULTS				
Sample No.	**Location**	**Description**	**Results** **Weight Percent (%)**	**ppm**
0907-08Pb	Room #14 - Exterior window frame	green paint	*0.16*	*1,600*
0907-09Pb	Room #19- Interior door wood trim	White paint	*0.43*	*4,300*
0907-10Pb	Room #15- interior window frame	White paint	*0.29*	*2,900*

Footnotes:

A. Method of Analysis - Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NTIS Document No. PB92-114172.

Bold denotes LBP!
Italics denotes LCP **Bold denotes LBP!**
Italics denotes LCP

10.0 Lead in Ceramic Tile Results

Ceramic wall tile samples were collected from the Administration Office Uni-sex restroom and analyzed for the presence of lead. The sample was analyzed by EMSL Analytical. According to the laboratory, the ceramic tile TTLC was reported as containing lead above 50 ppm. The sample was characterized for lead to determine proper disposal method. The waste characterization may entail several analytical procedures to determine if the waste is: Construction debris; California Restricted waste; or, RCRA (Resource, Conservation, and Recovery Act) federal waste. Listed below are the limits of the analytical procedures:

- TTLC (Total Threshold Limit Concentration): 1,000 ppm is considered RCRA federal waste. DTSC requires additional analysis for samples with results above 50 ppm but below 1,000 ppm;
- STLC (Soluble Threshold Limit Concentration): 5 mg/L; and
- TCLP (Toxicity Characteristic Leaching Procedure): 5mg/L.

TABLE III LEAD IN CERAMIC TILE SAMPLE RESULTS			
Sample No.	**Location**	**Description**	**Results**
TTLC			**mg/Kg**
0909-01CT	Administration Office, Uni-sex restroom - Wall	4" x 4" yellow ceramic tile	113
STLC			**mg/L**
0909-01CT	Administration Office, Uni-sex restroom - Wall	4" x 4" yellow ceramic tile	**5.88**
TCLP			**mg/L**
0909-01CT	Administration Office, Uni-sex restroom - Wall	4" x 4" yellow ceramic tile	<0.40

11.0 Conclusions and Recommendations:

Asbestos:

- The drywall with taping mud and the window putty are considered friable, hence, if "point count" re-analysis is not performed, these materials are RACM and must be reported to BAAQMD..

- Cal/OSHA's CCR Title 8, Section 1529 - Asbestos in Construction considers the drywall with asbestos taping mud, vinyl tile and mastic removal as Class II type of abatement work. The work must be performed within a negative pressure enclosure with a two-stage personnel decontamination system contiguous to the containment.

- Should the abatement of the vinyl floor tile and/or mastic be performed using "mechanical means", BAAQMD considers this material RACM and must be notified ten days in advance of the abatement work.

- The work should be over-seen by a Certified Asbestos Consultant to ensure regulatory compliance; provide the necessary inspections; the collection of perimeter air samples; conduct final visual inspection and the collection of final air clearances, prior to releasing the area to other contractors.

Lead in Paint:

- Lead-Based Paint (LBP) was identified on interior and exterior painted components as noted on Table II, above. Lead-Containing Paint (LCP) was also identified on

several painted components.

- The disturbance of LBP & LCP is regulated by Cal/OSHA's Title 8, California Code of Regulations (CCR) 1532.1 - Lead in Construction Standard. These requirements include, but not limited to, employee training, employee air monitoring, biological monitoring, dust control and the use of safe work practices.

- California Department of Public Health (CDPH), Title 17, California Code of Regulations, Division 1, Chapter 8: Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards, also regulates the abatement of components coated with LBP. These requirements Training, certification and proper work practices.

- Department of Toxic Substances Control (DTSC) regulates the disposal of hazardous waste and requires characterization of LBP and LCP components that contain greater than 50 ppm of lead by TTLC analysis, prior to disposal. The analytical characterization determines if the waste will be disposed of as either: construction waste; California Restricted Hazardous Waste or Federal (RCRA) Waste.

- The ceramic tile (4" x 4" yellow ceramic tile) collected from the Administration Office Uni-Sex restroom wall was submitted for TTLC analysis. The lab reported the result at 113 mg/kg. Sample results above 50 mg/kg require additional testing. The sample was re-analyzed by STLC and was reported at 5.88 mg/L. Levels above 5.0 mg/L are considered to be California Restricted Hazardous Waste. This sample was also analyzed by TCLP with a result of <0.40 mg/L. The TCLP threshold is 5.0 mg/L, hence, not a federal waste. All similar ceramic tile subject to disturbance should be treated, handled and disposed of as California Restricted Hazardous Waste.

Should you have any questions of require further assistance, please do not hesitate to contact me at (925) 285-3717.

Sincerely,



Ralph P. Guzman
BS, IH
Certified Asbestos Consultant #93-0965
CDPH: I/A, #4063 PM #4064

Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
236 30th Street, Ste. 102, Oakland, CA 94611

ASBESTOS & LEAD IN PAINT SURVEY REPORT

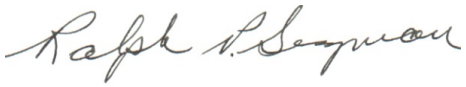
Mt. Diablo Unified School District
Mt. Diablo Elementary School
Entire School
5880 Mt. Zion Drive
Clayton, CA 94517

Prepared for:

Mount Diablo Unified School District
Ms. Melanie Kozlow
Director of Facilities & Bonds
1480 Gasoline Alley
Concord, CA 94520

Enviro-S.T.A.R. Project No. 23-416
September 5, 2023

Prepared by:



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7.0 Applicable Asbestos Regulatory Agencies 6

8.0 Lead-Based Paint Survey & Laboratory Analytical Results 6

9.0 Findings & Recommendations 7

Attachments: A - Asbestos Bulk Sample Laboratory Report & Chain-of-Custody Sheets
B - Lead Paint Sample Laboratory Report & Chain-of-Custody Sheet

ASBESTOS & LEAD-BASED PAINT
PRE-RENOVATION SURVEY REPORT

Mt. Diablo Unified School District
Mt. Diablo Elementary School
Entire School
5880 Mt. Zion Drive
Clayton, CA 94517

1.0 Introduction

Enviro-STAR, Inc., is pleased to submit the Asbestos-Containing Materials (ACM's) & Lead-Based paint (LBP) survey conducted at Mt. Diablo Elementary School, located at 5880 Mt. Zion Dr., Clayton, CA 94517. The inspection entailed visually inspecting and the collection of both suspect Asbestos-Containing Materials (ACM's) and Lead-Based Paint (LBP) from various materials subject to being disturbed during the planned renovation work. The survey was conducted on September 5, 2023.

The survey focused on the collection of the following building construction materials for the presence of asbestos and lead:

- Vinyl floor tiles & associated mastic;
- Linoleum;
- Vinyl sheeting;
- Vinyl base cove & adhesive;
- Drywall & taping mud;
- Ceramic tile grout;
- Ceiling acoustical tiles;
- Ceiling tile adhesive;
- Window putty; and
- Carpet glue.

The renovation work will entail the removal and/or disturbing flooring materials, windows, ceilings, doors and frames throughout the school classrooms and ancillary facilities.

A total of twenty-five (25) suspect asbestos materials were collected, that include: vinyl floor tile and associated mastics, linoleum, window putty, drywall texture skim coat, drywall taping mud, and ceiling tiles.

Additionally, five (5) representative paint samples were collected from various painted components.

2.0 Asbestos Sampling Methodology

Representative asbestos bulk samples were collected from the materials identified above. Sampling of the suspected ACM was performed in a manner that is consistent with industry standards. The samples were collected using hand tools which are routinely decontaminated between each sampling to prevent

cross contamination. The individual samples were placed into a separate, clean ziploc sample bags and assigned a unique sample identification number. The number and type of sample collected was chosen in a "manner sufficient to determine" asbestos content for the materials subject to being disturbed during the renovation and reconstruction activities.

3.0 Asbestos Laboratory Analytical Method

Material identification of the suspect asbestos samples was performed by EMSL Analytical Inc., 464 McCormick St., San Leandro, CA 94577, using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the U.S. EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July, 1993).

4.0 Interpretation of Results

None Detected
When "None Detected" appears on a report, it means that asbestos was not observed and that, if present, it exists in concentrations less than the limit of reliable detection (< 1%) and/or the fiber dimensions are too small for accurate optical microscopic resolution by normal PLM methodology.

Trace Asbestos

Reported results are the microscopist's visual estimate by area of asbestos concentration. These estimates are then formulated into results given in percent of asbestos by weight. Results for heterogeneous samples examined by component are reported as a composite. For example, if sheetrock joint compound percentage was 2-3% asbestos, the composite result may be reported as <1% (Trace), asbestos for the sheetrock system. The lower limit of reliable detection for the PLM method is 1%. Samples which contain more than 1% asbestos are reported in 1% ranges.
Samples which contain asbestos in a concentration lower than the limit of reliable detection (<1%) are reported as <1% (Trace) asbestos. For a lower limit of detection, "point counting" gravimetry is used. This method is described below.

Point Counting

Bay Area Air Quality Management District (BAAQMD) require point counting results to be reported on their removal notifications for certain materials with PLM results of less than 10% asbestos or assume these materials are ACM. Point counting is conducted by the EPA Method 600/R-93/116 or 600/M4-82-020. This method involves ashing the sample in a furnace and then re-weighing it to determine the amount of material lost on ignition. Acidified water is added and the sample is ultrasonicated to break up solid materials. This material is then filtered, dried, weighed and the filter residue is then analyzed by PLM. Laboratory protocol states that the limit of detection for point counting using 1000 points, is 0.10 area estimates. This point count is then multiplied by the reduction factor (RF) to obtain the actual percentage of asbestos. Percentage levels of 0.1% or greater up to 1%, are considered to be Asbestos Containing Construction Materials (ACCM) by Cal/OSHA.

5.0 Asbestos Material Categories

Federal regulations provide "categories" to classify asbestos material types. In California, Air Quality Management Districts require ACM be listed by category in their notification forms. Table 1 below, which provides the asbestos sampling results, also provides categories for these materials.

The **Regulated Asbestos Containing Material (RACM)** category designation is for friable asbestos, sprayed on or troweled-on surfacing, fireproofing or thermal system insulation (TSI).

The **Category I** designation is used for non-friable materials such as: tar based roofing, mastics, putties, paints, vinyl floor tile and resilient sheet flooring (excepting the friable paper backing). Note vinyl floor Tile and associated mastic are considered to be friable by some mechanical removal or demolition means.

The **Category II** designation is used for certain other types of non-friable materials such as: Transite pipe and panels, cementitious products, gaskets, clapboard, siding shingles, or any non-friable materials that would be rendered friable by mechanical means during removal. Category I materials may be demolished in place depending upon the means of demolition.

6.0 Asbestos Laboratory Results

According the laboratory analytical results (see Table I) the following materials were identified as containing asbestos:

- Mosaic pattern linoleum;
- Drywall taping mud;
- Texture skim coat;
- 9" x 9" vinyl floor tile & associated mastic.

The following materials were analyzed as Asbestos not detected:

- All 12" x 12" vinyl floor tile & mastic;
- Interior window putty;
- 12" x 12" nailed acoustical tile;
- 12" x 12" acoustical tile & adhesive;
- Vinyl base cove & adhesive;
- Drywall taping (Multi-Use Bldg); and
- Texture skim coat (Multi-Use Bldg)

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0905-01	Rm. #3 - Floor	12" x 12" Lt. Gray vinyl tile	Tile: ND Mastic: ND	n/a n/a

TABLE I ASBESTOS SAMPLING RESULTS				
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**
0905-02	Rm. #3 - Interior window	Putty	ND	n/a
0905-03	Custodian's room - Ceiling	12" x 12" perforated "nailed" acoustical tile	ND	n/a
0905-04	Rm. #14 - Interior window	Putty	ND	n/a
0905-05	Rm. #14 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-06	Rm. #4 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-07	Rm. #5 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-08	Rm. #6 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-09	Rm. #16 - Floor	Tan/brn. Mosaic pattern linoleum	**20% Chry**	RACM
0905-10	Rm. #16 - Floor	Brn, vinyl base cove	Cove base: ND Adhesive: ND	n/a n/a
0905-11	Rm. #17 - Floor	Tan/brn mosaic pattern linoleum	**20% Chry**	RACM
0905-12	Rm. #17 - Floor	Brn. vinyl base cove	Cove base: ND Adhesive: ND	n/a n/a
0905-13	Rm. #10-B - Floor	9" x 9" brn. Vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-14	Admin Office, Principal's Office - Floor	12" x 12" lt. gray w/streaks & yellow glue	Tile: ND Mastic: ND	n/a n/a

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0905-15	Library - Floor	12" x 12" lt. gray w/streaks & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-16	Pod Center - Upper wall/ceiling	12" x 12" Acoustical tile w. brn. adhesive	Tile: ND Adhesive: ND	n/a n/a
0905-17	Pod, hall near Psychology Room - Upper wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	RACM
0905-18	Pod, hall near Psychology Room - Entry door wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	RACM
0905-19	Pod, hall near Psychology Room - Restroom floor	2nd layer: brn. 9" x 9" vinyl tile and black mastic	**Tile: 2% Chry** **Mastic: 5% Chry**	I I
0905-20	Multi-Use Bldg. -Band storage room- Floor	12" x 12" dark green vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-21	Multi-Use Bldg. -Band storage room- Floor	12" x 12" light green vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-22	Multi-Use Bldg. -Band storage room- Floor	12" x 12" beige w. specks vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-23	Multi-Use Bldg. -Band storage room- Floor	Texture skim coat	ND	n/a
0905-24	Multi-Use Bldg. -Band storage room- Floor	Drywall & taping mud	Drywall: ND Taping mud: ND	n/a n/a
0905-25	Multi-Use Bldg. -Band storage room- Floor	2' x 4' lay-in acoustical tile	ND	n/a

Footnotes:
Method of Analysis - (PLM) Polarized Light Microscopy EPA/600/R-93/116, 1993.

7.0 Applicable Asbestos Regulatory Agencies

The United States Environmental Protection Agency (USEPA) classifies a building material as asbestos-containing when the material is found to contain asbestos in quantities of greater than one-percent (>1%) by weight. This classification is the same as Cal-OSHA's (State of California-Occupational Safety and Health Administration) definition of an **Asbestos-Containing Material (ACM).** However, Cal-OSHA has an additional classification for manufactured materials found to contain asbestos in quantities between 0.1% to 1% (one tenth to one percent) by weight. According to Cal-OSHA's Asbestos Construction Standard CCR Title 8, Section 1529 this material is classified as **"Asbestos-Containing Construction Material (ACCM)"**.

Cal-OSHA and Bay Area Air Quality Management District (BAAQMD) require notification if the ACM will be disturbed in quantities set forth by these respective agencies. Additionally, Cal-OSHA classification of manufactured building materials as ACM and/or ACCM (when the ACCM will be disturbed by renovation activities and in quantities of greater than one hundred (100) feet requires removal of the ACCM to be performed by a contractor who is a DOSH registered asbestos contractor. The ACM / ACCM removal work must be performed utilizing appropriate work practices, proper engineering controls, respirator protection and workers under medical surveillance, with the appropriate medical an training certificates.

8.0 Lead-Based Paint Survey & Laboratory Analytical Results

Five (5) paint samples were collected from representative painted interior & exterior components. The samples were delivered to EMSL Analytical, Inc. , 464 McCormick St., San Leandro, CA 94577, and analyzed by Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NDIS Document No. PB92-114172.

California Department of Public Health (CDPH) defines LBP as "paint or other surface coatings that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or more than half of one percent (0.5%) by weight or 5,000 ppm (parts per million)".

Lead-Containing Paint (LCP) is identified as “paint or other surface coatings that contain an amount of lead less than one milligram per square centimeter (<1.0 mg/cm^2) or less than half of one percent (<0.5%) by weight or <5,000 ppm (parts per million)”.

According to the laboratory results the yellow painted door frame in the Psychology Room was identified as Lead-Based Paint (LBP), see Table II, below. Three others were Lead-Containing Paint (LCP) and one was “below the limit of detection.

TABLE II PAINT CHIP SAMPLE RESULTS				
Sample No.	**Location**	**Description**	**Results** **Weight Percent (%)**	**ppm**
0905-01Pb	Room #3 - Exterior window metal frame	White Paint	*0.32*	*3,200*
0905-02Pb	Room #3 - Exterior window wood trim	White Paint	*0.37*	*3,700*
0905-03Pb	Room #3 - Interior window sill	White Paint	<0.018	<180
0905-04Pb	Pod - Psychology Room - Door frame	Yellow paint	**0.67**	**6,700**
0905-05Pb	Pd - Copy room - Door trim	Yellow paint	*0.45*	*4,500*

Footnotes:

A. Method of Analysis - Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NTIS Document No. PB92-114172.

Bold denotes LBP!
Italics denotes LCP

9.0 Findings and Recommendations:

Asbestos:

- Asbestos-containing linoleum flooring was identified in rooms #16 & #17 and asbestos-containing drywall taping mud was identified on the walls of the Pod..
- Both of these materials are regulated by BAAQMD and Cal/OSHA. BAAQMD considers both materials as RACM and this agency must be notified 10 days in advance of the removal. Cal /OSHA considers the removal of these materials as Class level II abatement work and must be removed within a Negative Pressure Enclosure (NPE) with a two-stage personnel decontamination unit contiguous to the work area.
- Vinyl asbestos tile was identified on the restroom floor (2nd layer) of the Pod Psychology Office restroom. The abatement of the tile and associated mastic is not regulated by BAAQMD, unless mechanical removal methods are used. However, it is regulated by Cal/OSHA as a Level II abatement task. And must be removed in a NPE.

Lead Paint:

- Lead-Based Paint (LBP) was identified on the Pod, Psychology Office door trim. Disturbance of this component and/or other similar components must be performed by California Department of Public Health trained and certified personnel in accordance with Title 17, CCR, Division 1, Chapter 8: Accreditation, Certification, and Work Practices For Lead-Based Paint and Lead Hazards.

- Cal/OSHA regulates all detectible lead in paint including LBP & LCP. Disturbance of components coated with lead paint, Cal/OSHA's Title 8 CCR, Lead in Construction Standard, Section 1532.1 must be adhered to including, but not limited to: worker training (Lead Awareness) , proper use of PPE (Personal Protective Equipment), work practices and personal air monitoring.

- California Department of Toxic Substances Control (DTSC) requires the waste characterization for lead of painted materials that contain equal to or greater than 50 ppm of lead. This is a legal requirement to determine how the waste will be disposed of, either as: a) Construction Waste; b) California Restricted Hazardous Waste; or, c) Federal (RCRA-Resource, Conservation, & Recovery Act) Waste.

  The waste characterization may entail three (3) distinct analytical procedures:

  1) TTLC (Total Threshold Limit Concentration): Less than 50ppp, not hazardous. 50 ppm or greater, but less than 1,000 proceed to STLC, if 1,000 ppm or greater the waste is RCRA hazardous waste, no further testing needed;

  2) STLC (Soluble Threshold Limit Concentration): <5mg/L not hazardous; >5 mg/L California Hazardous Restricted Waste. Proceed with TCLP;

  3) TCLP (Toxicity Characteristic Leaching Procedure) >5 mg/L Federal (RCRA) Waste.

Should you have any questions of require further assistance, please do not hesitate to contact me at (925) 285-3717.

Sincerely,

Ralph P. Guzman
BS, IH
Certified Asbestos Consultant (#93-0965)
CDPH: I/A, #4063 PM #4064 CDPH: I/A, #4063 PM #4064

Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
246 30th Street, Ste. 102, Oakland, CA 94611

Addenda to Abatement Scope of Work

The items listed below apply to Rio Vista Elementary School, Mt. Diablo Elementary School and Meadow Homes Elementary School, unless otherwise noted differently:.

- TSI (Thermal System Insulation) in the form of pipe insulation including lagging and mudded elbows. These are typically found in wall and ceiling cavities. The bidders shall provide unit cost based on linear feet;

- Exterior stucco walls - Bidders shall provide unit cost base on square feet. These walls tested positive for both asbestos and lead in paint. The asbestos was point counted and determined to be <1% Chrysotile. Lead concentration was at 850 ppm, which is regulated by Cal/OSHA's Title 8 CCR Section 1532.1 for worker training, protection and work practices. Waste characterization determined the paint to be non-hazardous and may be disposed of as non-friable asbestos waste.

  Note: Exterior paint samples to be collected at Mt. Diablo and Meadow Homes Elementary Schools. A revised addendum will be issued upon receipt of laboratory results.

- Clerestory windows and store front window paint was characterized and determined to be RCRA waste. Assume same results for the windows at Meadow Homes Elementary School.

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ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Rio Vista Elementary School
611 Pacifica Ave.
Bay Point, CA 94565

Prepared for:

Mount Diablo Unified School District
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Enviro-S.T.A.R. Project No. 23-436
September 18, 2023
&
February 16, 2024

Prepared by:



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- Lead in Paint Sample Laboratory Report & Chain-of-Custody Sheet
- Lead in Ceramic Tile Laboratory Reports & Chain-of-Custody Sheet

ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Rio Vista Elementary School
611 Pacifica Ave.
Bay Point, CA 94565

1.0 Introduction

Enviro-STAR, Inc., is pleased to submit the Asbestos-Containing Materials (ACM's) and Lead in Paint survey conducted at Rio Vista Elementary School, located at 611 Pacifica Ave., Bay Point, CA 94565. The purpose of the survey was to inspect and collect suspect asbestos and lead in paint samples of the materials subject to disturbance during the planned school renovation work. The survey was conducted on September 18, 27 & December 4, 2023.

A followup inspection was conducted on February 16, 2024 for the purpose of inspecting the electrical wiring of lighting fluorescent light fixtures for the presence of asbestos insulated electrical wiring The architectural plans, amongst other construction enhancement work, calls for the up-grading and replacement of the fluorescent light fixtures from building the interior building facilities. In two other school where the interior light fixtures were replaced some of the electrical wires in the fluorescent light fixtures were found to contain asbestos insulation. With this in mind, and the age of the school, Enviro-STAR recommended conducting a survey of several building light fixtures to visually determine if the wiring was suspect ACM and if necessary collect samples to ascertain the presence of asbestos.

The inspection was set for Friday April 16, 2004 at 1:00 pm. There were no children attending school with minimal personnel in the school.

Enviro-STAR met Mr. Mario Butay, MDUSD electrician, at Rio Vista ES. Mr. Butay was apprised of the planned construction renovation that included replacement of light fixtures. He was aware of the asbestos insulated wires found at Mt. Diablo High School. He was informed the same was true with Walnut Acres ES.

The approach to the inspection was to select three buildings (A, B & C) and randomly inspect several rooms. With the light switch off, Mr. Butay removed the light fixture lens cover, fluorescent light bulbs and the metal ballast/electrical wiring cover plate which allowed a close inspection of the electrical wiring.

All of the electrical wires were of newer vintage insulated with plastic sheathing.

Although every fixture was not inspected, the ones that were **did not** have asbestos insulated wires. It is fair to assume, based on the inspection findings, the likely hood of finding asbestos insulated wires is low. However, if, in the process of removing the light fixtures, should a a non-plastic sheathed wire be discovered, it should be treated as containing asbestos, until it is inspected and laboratory analyzed to determine otherwise.

The survey focused on the collection of the following building construction materials for the presence of asbestos and lead:

- Vinyl floor tiles & associated mastic;
- Linoleum;
- Vinyl sheeting;
- Vinyl base cove & adhesive;
- Drywall & taping mud;
- Ceramic tile grout;
- Ceiling acoustical tiles;
- Ceiling tile adhesive;
- Window putty; and
- Carpet glue.

2.0 Asbestos Sampling Methodology

Representative asbestos bulk samples were collected from the materials identified above. Sampling of the suspected ACM was performed in a manner that is consistent with industry standards. The samples were collected using hand tools which are routinely decontaminated between each sampling to prevent cross contamination. The individual samples were placed into a separate, clean ziploc sample bags and assigned a unique sample identification number. The number and type of sample collected was chosen in a "manner sufficient to determine" asbestos content for the materials subject to being disturbed during the renovation and reconstruction activities.

3.0 Asbestos Laboratory Analytical Method

Material identification of the suspect asbestos samples was performed by EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA, using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the U.S. EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July, 1993).

4.0 Interpretation of Results

None Detected

When "None Detected" appears on a report, it means that asbestos was not observed and that, if present, it exists in concentrations less than the limit of reliable detection (< 1%) and/or the fiber dimensions are too small for accurate optical microscopic resolution by normal PLM methodology.

Trace Asbestos

Reported results are the microscopist's visual estimate by area of asbestos concentration. These estimates are then formulated into results given in percent of asbestos by weight. Results for heterogeneous samples examined by component are reported as a composite. For example, if sheetrock joint compound percentage was 2-3% asbestos, the composite result may be reported as <1% (Trace),

asbestos for the sheetrock system. The lower limit of reliable detection for the PLM method is 1%. Samples which contain more than 1% asbestos are reported in 1% ranges.
Samples which contain asbestos in a concentration lower than the limit of reliable detection (<1%) are reported as <1% (Trace) asbestos. For a lower limit of detection, "point counting" gravimetry is used. This method is described below.

Point Counting

Bay Area Air Quality Management District (BAAQMD) require point counting results to be reported on their removal notifications for certain materials with PLM results of less than 10% asbestos or assume these materials are ACM. Point counting is conducted by the EPA Method 600/R-93/116 or 600/M4-82-020. This method involves ashing the sample in a furnace and then re-weighing it to determine the amount of material lost on ignition. Acidified water is added and the sample is ultrasonicated to break up solid materials. This material is then filtered, dried, weighed and the filter residue is then analyzed by PLM. Laboratory protocol states that the limit of detection for point counting using 1000 points, is 0.10 area estimates. This point count is then multiplied by the reduction factor (RF) to obtain the actual percentage of asbestos. Percentage levels of 0.1% or greater up to 1%, are considered to be Asbestos Containing Construction Materials (ACCM) by Cal/OSHA.

5.0 Asbestos Material Categories

Federal regulations provide "categories" to classify asbestos material types. In California, Air Quality Management Districts require ACM be listed by category in their notification forms. Table 1 below, which provides the asbestos sampling results, also provides categories for these materials.

The **Regulated Asbestos Containing Material (RACM)** category designation is for friable asbestos, sprayed on or troweled-on surfacing, fireproofing or thermal system insulation (TSI).

The **Category I** designation is used for non-friable materials such as: tar based roofing, mastics, putties, paints, vinyl floor tile and resilient sheet flooring (excepting the friable paper backing). Note vinyl floor Tile and associated mastic are considered to be friable by some mechanical removal or demolition means.

The **Category II** designation is used for certain other types of non-friable materials such as: Transite pipe and panels, cementitious products, gaskets, clapboard, siding shingles, or any non-friable materials that would be rendered friable by mechanical means during removal. Category I materials may be demolished in place depending upon the means of demolition.

6.0 Asbestos Laboratory Results

According the laboratory analysis results (see Table I) the following materials were analyzed as containing asbestos:

- Drywall taping mud;
- 9" x 9" vinyl tile & mastic;
- Linoleum residual mastic;
- Window putty.

TABLE I ASBESTOS SAMPLING RESULTS					
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**	**OSHA Classification**
0919-01	Bldg. 2 - #C13A & B - Floor near storage room	Gray 12" x 12" vinyl tile & mastic	ND	n/a	n/a
0919-02	Bldg. 2 - #C13A & B - Floor	Black vinyl base cove	ND	n/a	n/a
0919-03	Bldg. 2 - #C13A & B - Wall	Drywall & taping mud	ND	n/a	n/a
0919-04	Bldg. 2 - #C13A & B - Exterior window	Putty	ND	n/a	n/a
0919-05	Bldg. 2 - #C13A & B - Restroom wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	*RACM	II
0919-06	Bldg. 2 - #C13A & B - Restroom wall	Ceramic tile grout	ND	n/a	n/a
0919-07	Bldg. 2 - #C12 - Exterior window	Putty	ND	n/a	n/a
0919-08	Bldg. 2 - #C12 - Restroom wall	Plaster & skim coat	ND	n/a	n/a
0919-09	Bldg. 2 - #C12 - Restroom wall	Ceramic tile grout	ND	n/a	n/a
0919-10	Bldg. 2 - #C12 - Entry ceiling	12" x 12" perforated acoustical tile	ND	n/a	n/a
0919-11	Bldg. 2 - #C12 - Entry ceiling	Tile brown adhesive	ND	n/a	n/a
0919-12	Bldg. 3 - #C-11 - Exterior window	Putty	ND	n/a	n/a
0919-13	Bldg. 3 - #C-11 - Floor	12" x 12" Gray vinyl tile & yellow adhesive	ND	n/a	n/a

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category	OSHA Classification
0919-14	Bldg. 10 - C-7 - Storage room - Floor	9" x 9" gray w/orange streaks & mastic	**Vinyl tile: 2% Chry Mastic: 3% Chry**	I	II
0919-15	Bldg. 7 - #B-2 - Floor	9" x 9" tan w/brown streaks & mastic	**Vinyl tile: 2% Chry Mastic: 3% Chry**	I	II
0919-16	Bldg. 7 - #B-2 - Exterior window	Putty	ND	n/a	n/a
0919-17	Bldg. 7 - #B-2 - Clerestory	Putty	ND	n/a	n/a
0919-18	Bldg. 7 - Library - Floor	Brown carpet glue	ND	n/a	n/a
0919-19	Bldg. 7 - Library - Wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	*RACM	II
0919-20	Bldg. 4 - #B-6 - Floor	12" x 12" Tan vinyl floor tile & yellow glue	**Vinyl Tile: 2% Chry** Yellow glue: ND	I ND	II ND
0919-21	Bldg. 4 - #B-6 - Floor	Tan mosaic pattern linoleum	Lino: ND **Mastic: <1% Chry**	n/a Assumed II	n/a ACCM
0919-22	Bldg. 4 - #B-6 - Storage room floor	Red vinyl sheeting & black mastic	ND	n/a	n/a
0919-23	Bldg. 4 - #B-6 - Exterior window	Putty	ND	n/a	n/a
0919-24	Bldg. 4 - #B-6 - Clerestory	Putty	**<1% Chry**	*Assumed RACM	ACCM
0919-25	Administration Building - Clerestory	Putty	**<1% Chry**	*Assumed RACM	ACCM

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category	OSHA Classification
0927-01	Bldg. 4 - #B-6 - Floor	Re-Analysis of Tan mosaic pattern linoleum	ND	n/a	n/a
1204-01	Room B-5 - Floor	12" x 12" vinyl floor tile	**2% chry**	I	II

Footnotes:
Method of Analysis - (PLM) Polarized Light Microscopy EPA/600/R-93/116, 1993.
Chry - Chrysotile Asbestos
*According to NESHAP regulations, refer to this report: Section 4.0 Interpretation of Results, Point Counting, samples with a result of <10% are considered RACM unless "point count" analysis determines the result to be <1%.

7.0 Applicable Regulatory Agencies

The United States Environmental Protection Agency (USEPA) classifies a building material as asbestos-containing when the material is found to contain asbestos in quantities of greater than one-percent (>1%) by weight. This classification is the same as Cal-OSHA's (State of California-Occupational Safety and Health Administration) definition of an **Asbestos-Containing Material (ACM).** However, Cal-OSHA has an additional classification for manufactured materials found to contain asbestos in quantities between 0.1% to 1% (one tenth to one percent) by weight. According to Cal-OSHA's Asbestos Construction Standard CCR Title 8, Section 1529 this material is classified as **"Asbestos-Containing Construction Material (ACCM)"**.

Cal-OSHA and Bay Area Air Quality Management District (BAAQMD) require notification if the ACM will be disturbed in quantities set forth by these respective agencies. Additionally, Cal-OSHA classification of manufactured building materials as ACM and/or ACCM (when the ACCM will be disturbed by renovation activities and in quantities of greater than one hundred (100) feet requires removal of the ACCM to be performed by a contractor who is a DOSH registered asbestos contractor. The ACM / ACCM removal work must be performed utilizing appropriate work practices, proper engineering controls, respirator protection and workers under medical surveillance, with the appropriate medical an training certificates.

8.0 Lead-Based Paint Survey

Eleven (11) representative paint chip samples were collected from various components subject to disturbance during the renovation construction phases. The samples were delivered to EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA 94577. The samples were analyzed by Flame

Atomic Absorption Spectrometry with EPS's "Standard Operating Procedures for Lead in Paint by Hotplate, or, Microwave-based Acid digestion and Atomic Absorption or inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213. NDIS Document No. PB92-114172.

9.0 Lead-Based Paint Results

California Department of Public Health (CDPH) and the US Environmental Protection Agency (USEPA) defines LBP as *"paint or other surface coatings that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or equal to or in excess of half of one percent (0.5%); or equal to or in excess of 5,000 ppm (parts per million)".* Detectible lead below these levels are known as LCP.

According to the laboratory results seven (7) paint samples were identified as Lead-Based Paint (LBP) ; three (3) were reported as Lead-Containing Paint (LCP) and one analyzed at "below the limit of detection", as noted in Table II.

TABLE II
PAINT CHIP SAMPLE RESULTS

Sample No.	Location	Description	Results	
			Weight Percent (%)	ppm
0919-01Pb	Bldg. 2 - #C13 A & B - Exterior window frame	White paint	0.0081	81
0919-02Pb	Bldg. 2 - #C13 A & B - Exterior window trim	White paint	<0.0080	<80
0919-03Pb	Bldg. 2 - #C13 A & B - Rear exterior door	Red paint	0.011	111
0919-04Pb	Bldg. 2 - #C-12C - Exterior window trim	White paint	**0.5**	**5,000**
0919-05Pb	Bldg. 3 - #C-11 - Exterior window trim	White paint	**1.4**	**14,000**
0919-06Pb	Bldg. 3 - #C-11 - Clerestory - Window Trim	White paint	**3.1**	**31,000**
0919-07Pb	Bldg. 10 - #C7 - Restroom interior window sill	Beige paint	0.49	4,900
0919-08Pb	Bldg. 7 - #B2 - Exterior window trim	White paint	**0.93**	**9,300**
0919-09Pb	Bldg. 4 - Exterior window trim	White paint	**0.84**	**8,400**
0919-10Pb	Multi Use Bldg. - Clerestory window trim	White paint	**1.3**	**13,000**

TABLE II PAINT CHIP SAMPLE RESULTS				
Sample No.	**Location**	**Description**	**Results** **Weight Percent (%)**	**ppm**
0919-11Pb	Bldg- 2 - #C12 - Restroom Wall	White paint	**1.0**	**10,000**

Footnotes:

A. Method of Analysis - Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NTIS Document No. PB92-114172.

10.0 Lead in Ceramic Tile Results

Ceramic wall tile samples were collected from two restrooms and analyzed for the presence of lead. According to the laboratory, the ceramic tile in both bathrooms of collected from the main house were analyzed as containing lead above 50 ppm. The two samples were characterized for lead to determine proper disposal method. The waste characterization may entail several analytical procedures to determine if the waste is: Construction debris; California Restricted Hazardous Waste; or, RCRA (Resource, Conservation, and Recovery Act) federal waste. Listed below are the limits of the analytical procedures:

- TTLC (Total Threshold Limit Concentration): 1,000 ppm is considered RCRA federal waste. DTSC requires additional analysis for samples with results above 50 ppm but below 1,000 ppm;
- STLC (Soluble Threshold Limit Concentration): 5 mg/L; and
- TCLP (Toxicity Characteristic Leaching Procedure): 5mg/L.

TABLE III LEAD IN CERAMIC TILE SAMPLE RESULTS			
Sample No.	**Location**	**Description**	**Results**
TTLC			**mg/Kg**
0918-01CT	Bldg. 2 - #C-13 A & B - Restroom wall	4" x 4" Green ceramic tile	**4,100 RCRA Waste**
0918-02CT	Bldg. 2 - #C-12 - Restroom wall	4' x 4" Beige w/specks, ceramic tile	310 *submitted for STLC analysis*

STLC			**mg/L**
0918-02CT	Bldg. 2 - #C-12 - Restroom wall	4' x 4" Beige w/specks, ceramic tile	**7.9**
TCLP			**mg/L**
0918-02CT	Bldg. 2 - #C-12 - Restroom wall	4' x 4" Beige w/specks, ceramic tile	1.7

11.0 Conclusions and Recommendations:

Asbestos:

- The drywall with taping mud and the window putty are considered friable, hence, if "point count" re-analysis is not performed, these materials are RACM and must be reported to BAAQMD..

- Cal/OSHA's CCR Title 8, Section 1529 - Asbestos in Construction considers the drywall with asbestos taping mud, vinyl tile and mastic removal as Class II type of abatement work. The work must be performed within a negative pressure enclosure with a two-stage personnel decontamination system contiguous to the containment.

- Should the abatement of the vinyl floor tile and/or mastic be performed using "mechanical means", BAAQMD considers this material RACM and must be notified ten days in advance of the abatement work.

- The fluorescent light fixture wiring in three representative buildings were inspected for asbestos insulation. All of the fixtures inspected were found not to have asbestos insulated wiring. However in the event suspect insulation is encountered, it should be treated as containing asbestos until lab asbestos determination is verified.

- The work should be over-seen by a Certified Asbestos Consultant to ensure regulatory compliance; provide the necessary inspections; the collection of perimeter air samples; conduct final visual inspection and the collection of final air clearances, prior to releasing the area to other contractors.

Lead in Paint:

- Lead-Based Paint (LBP) was identified on several interior and exterior painted components as noted on Table II, above. Lead-Containing Paint (LCP) was also identified on some painted components.

- The disturbance of LBP regulated by Cal/OSHA's Lead in Construction Standard, Title 8, California Code of Regulations (CCR) 1532.1. These requirements include employee training, employee air monitoring, biological monitoring, dust control and

the use of safe work practices.

- California Department of Public Health (CDPH), Title 17, California Code of Regulations, Division 1, Chapter 8: Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards, also regulates the abatement of components coated with LBP. These requirements Training, certification and proper work practices.

- Department of Toxic Substances Control (DTSC) regulates the disposal of hazardous waste and requires characterization of LBP and LCP components that contain greater than 50 ppm of lead prior to disposal. The analytical characterization determines if the waste will be disposed of as either: construction waste; California Restricted Hazardous Waste or Federal (RCRA) Waste.

- The ceramic tile (green 4" x 4") collected from Bldg. 2 - #C-13 A & B - Restroom wall was reported at TTLC 4,100 ppm. TTLC results at or above 1,000 ppm classifies the waste as federal RCRA.

- The ceramic tile (beige 4" x 4") collected from Bldg 2# C-12 restroom wall was submitted for TTLC analysis. The lab reported the result at 310 mg/kg. This result requires additional testing. The sample was re-analyzed by STLC and was reported at 7.9 mg/L. Levels above 5.0 mg/L are considered to be California Restricted Hazardous Waste. This sample was also analyzed by TCLP with a result of 1,7 mg/L. The TCLP threshold is 5.0 mg/L, hence, not a federal waste.

Should you have any questions of require further assistance, please do not hesitate to contact me at (925) 285-3717.

Sincerely,



Ralph P. Guzman
BS, IH
Certified Asbestos Consultant (#93-0965)
CDPH: I/A, #4063 PM #4064

Enviro-STAR, conducted a visual inspection of several fluorescent light fixture electrical wiring for suspect asbestos wire insulation. The planned renovation construction at Rio Vista Elementary School.

The architectural plans, amongst other construction enhancement work, calls for the up-grading and replacement of the fluorescent light fixtures from building the interior building facilities. In two other school where the interior light fixtures were replaced some of the electrical wires in the fluorescent

light fixtures were found to contain asbestos insulation. With this in mind, and the age of the school, Enviro-STAR recommended conducting a survey of several building light fixtures to visually determine if the wiring was suspect ACM and if necessary collect samples to ascertain the presence of asbestos. Enviro-STAR requested an electrician be present to provide assistance in safing-off the electricity in the event suspect asbestos wiring was found and required cutting the section of the wiring for lab analysis.

The inspection was set for Friday April 16, 2004 at 1:00 pm. There were no children attending school with minimal personnel in the school.

Enviro-STAR met Mr. Mario Butay, MDUSD electrician, at Rio Vista ES. Mr. Butay was apprised of the planned construction renovation that included replacement of light fixtures. He was aware of the asbestos insulated wires found at Mt. Diablo High School. He was informed the same was true with Walnut Acres ES.

The approach to the inspection was to select three buildings (A, B & C) and randomly inspect several rooms. With the light switch off, Mr. Butay removed the light fixture lens cover, fluorescent light bulbs and the metal ballast/electrical wiring cover plate which allowed a close inspection of the electrical wiring.

All of the electrical wires were of newer vintage insulated with plastic sheathing.

Although every fixture was not inspected, the ones that were **did not** have asbestos insulated wires. It is fair to assume, based on the inspection findings, the likely hood of finding asbestos insulated wires is low. However, if, in the process of removing the light fixtures, a non-plastic sheathed wire be discovered, it should be treated as containing asbestos, until it is inspected and laboratory analyzed to determine otherwise.

The attached photos depict the light fixture wiring found on several fluorescent light fixtures. For reference, not collected at the school, is an electrical wire insulation that contains asbestos.

Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
246 30th Street, Ste. 102, Oakland, CA 94611

Addenda to Abatement Scope of Work

The items listed below apply to Rio Vista Elementary School, Mt. Diablo Elementary School and Meadow Homes Elementary School, unless otherwise noted differently:.

- TSI (Thermal System Insulation) in the form of pipe insulation including lagging and mudded elbows. These are typically found in wall and ceiling cavities. The bidders shall provide unit cost based on linear feet;

- Exterior stucco walls - Bidders shall provide unit cost base on square feet. These walls tested positive for both asbestos and lead in paint. The asbestos was point counted and determined to be <1% Chrysotile. Lead concentration was at 850 ppm, which is regulated by Cal/OSHA's Title 8 CCR Section 1532.1 for worker training, protection and work practices. Waste characterization determined the paint to be non-hazardous and may be disposed of as non-friable asbestos waste.

  Note: Exterior paint samples to be collected at Mt. Diablo and Meadow Homes Elementary Schools. A revised addendum will be issued upon receipt of laboratory results.

- Clerestory windows and store front window paint was characterized and determined to be RCRA waste. Assume same results for the windows at Meadow Homes Elementary School.

preparation of the Contract Documents.

b. Bidder may rely upon the general accuracy of the "technical data" contained in the reports and drawings identified above, but only insofar as it relates to subsurface conditions, provided Bidder has conducted the independent investigation required pursuant to Instructions to Bidders, and discrepancies are not apparent. The term "technical data" in the referenced reports and drawings shall be limited as follows:

(1) The term "technical data" shall include actual reported depths, reported quantities, reported soil types, reported soil conditions, and reported material, equipment or structures that were encountered during subsurface exploration. The term "technical data" does not include, and Bidder may not rely upon, any other data, interpretations, opinions or information shown or indicated in such drawings or reports that otherwise relate to subsurface conditions or described structures.

(2) The term "technical data" shall not include the location of underground facilities.

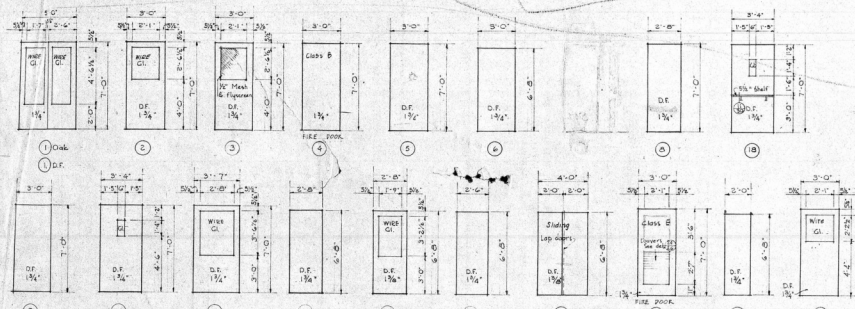
(3) Bidder may not rely on the completeness of reports and drawings for the purposes of bidding or construction. Bidder may rely upon the general accuracy of the "technical data" contained in such reports or drawings.

(4) Bidder is solely responsible for any interpretation or conclusion drawn from any "technical data" or any other data, interpretations, opinions, or information provided in the identified reports and drawings.

5. Investigations/Site Examinations

a. Before submitting a Bid, each Bidder is responsible for conducting or obtaining any additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and underground facilities) at or contiguous to the Site or otherwise, that may affect cost, progress, performance, or furnishing of Work or that relate to any aspect of the means, methods, techniques, sequences, or procedures of construction to be employed by Bidder and safety precautions and programs incident thereto or that Bidder deems necessary to determine its Bid for performing and furnishing the Work in accordance with the time, price, and other terms and conditions of Contract Documents.

b. On request, District will provide each Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies, as each Bidder deems necessary for submission of a Bid. Bidders must fill all holes and clean up and restore the Site to its former condition upon completion of its explorations, investigations, tests, and studies. Such investigations and Site examinations may be performed during any and all Site visits indicated in the Invitation to Bid and only under the provisions of the Contract Documents, including, but not limited to, proof of insurance and obligation to indemnify against claims arising from such work, and District's prior approval.

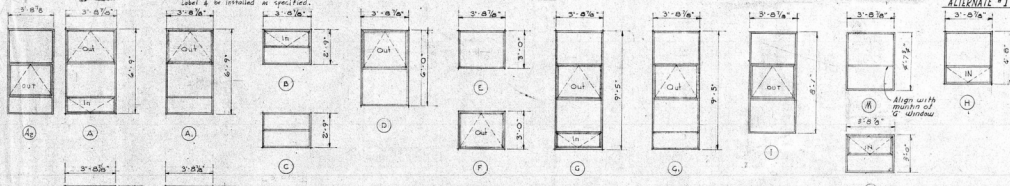


Note: Door heights for exterior doors are from finished floor. Check sill details for door laps below floor line. All doors solid slab unless otherwise noted. Doors labeled fire proof shall bear U/L Underwriters Label & be installed as specified.

DOOR SCHEDULE

Scale: 1/4" = 1'-0"

Note: Pocket for sliding door to janitors closet A-14 shall be framed & fireblocked as directed by Architect. All sliding doors shall have key locks.



ALTERNATE #1

SCHEDULE OF METAL SASH

Scale: 1/4" = 1'-0"

1949 BOND ISSUE PROJECT

NAME OF SCHOOL

DEVELOPED BY THE BOARD OF EDUCATION OF

MT. DIABLO UNIFIED SCHOOL DISTRICT

OSCAR LARSON - PRESIDENT
ARNOLD C. BJORK — DORIS E. LOVERIDGE
ETHEL A. WIGET — HARMON E. WELSH

SUPERINTENDENT OF SCHOOLS
JAMES W. DENT

NAME OF CONTRACTOR
GENERAL CONTRACTOR

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS — CONFER & WILLIS
REYNOLDS & CHAMBERLAIN — JOHN N. LYON REID

STRUCTURAL ENGINEERS
HALL & PREGNOFF

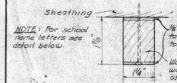
MECHANICAL ENGINEERS
HAMILTON & WILLIGES

DETAIL OF LETTERING

Scale: 1" = 1'-0"

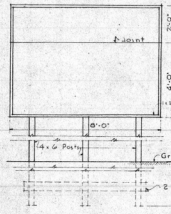
NOTE: For larger scale detail of lettering see Title below

SIGN BOARD DETAILS



SCHOOL NAME LETTER MOUNTG DETAIL

Scale 2" = 1'-0"



ELEVATION — SECTION

Scale: 3/8" = 1'-0"

ABBREVIATION INDEX

Aggr.	=	Aggregate
Asph.	=	Asphalt
D.F.	=	Douglas Fir
Galv. S.	=	Galvanized Sheetiking
M.I. Washer	=	Malleable Iron Washer
o.c., ctrs., cts., c.c.	=	On center
R.W.	=	Redwood
S.D.	=	Soap Dispenser
S.L.	=	Square laid sheathing
St. Rec.	=	Strap Hooks
T.D.	=	Towel Dispenser
V-gr	=	Vertical Grain
W.R.	=	Waste Receptacle
P.C.	=	Door Closer
K.P.	=	Kick Plate
P.D.	=	Panic Bolt
P.H. 42	=	Typical Lock Number
10/A7	=	Sheet No. where drawn / Detail or Section No.
N.I.C.	=	Not in Contract

SCHEDULE OF LETTERING

metal letters 2" high (as specified) unless scheduled as painted letters

1 Classroom Units: 1 to 8 inclusive

2 Toilet Units: BOYS. GIRLS. JANITOR. HEATER ROOM

3 Book Unit (Exterior doors): BOOK. ROOM

4 Administration Unit
(a) At exterior Doors: Corner of building letter OFFICE with arrow toward door.
(b) Interior Doors: STORE ROOM, OFFICE, WORK ROOM, TEACHERS REST ROOM
(c) Interior Doors (Painted Letters): NURSE, PRINCIPAL, CONFERENCE ROOM, WORK ROOM, TEACHERS REST ROOM, WOMEN, MEN, STORE ROOM, SECRETARY, JANITOR, TOILET, ISOLATION

5 Multi Use Building: KITCHEN, EMPLOYEES

NOTE! LETTERING SHALL BE DONE UNDER THIS SCHEDULE & AS DIRECTED BY THE ARCHITECT.

SCHEDULE OF INTERIOR FINISH MATERIALS

	Room	Number	Floor	Base	Wainsc.	Walls	Ceilg.	Shlvg.	Cap Mld. Top Wainsc.	Chair Rail	Remarks
CLASS UNIT	CLASSROOMS	CR-1-8 Incl.	Asph. tile	D.F.	Plywood	Stucco	Acoust. A	D.F.	D.F.		See Sheet # 9
	WORK ROOM	1-1	Asph. tile	D.F.		Stucco	Acoust. F	D.F.	D.F.		See Sheet # 11
	BOOK STORAGE	1-2	Asph. tile	D.F.		Stucco	Stucco	D.F.			
	WORK ROOM	1-3	Asph. tile	D.F.	Plywood	Stucco	Acoust. F	D.F.	D.F.		
ADMIN'S UNIT	WAITING	A. 1	Asph. tile	D.F.	Birch Plywd.	Stucco	Acoust. A	D.F.	D.F.		See shts. 13 & 14
	ISOLATION	A 2	Asph. tile	D.F.		Plaster	Acoust. A	D.F.		D.F.	
	TOILET	A 3	Tile	Tile	Tile	Plaster	Acoust. A	D.F.			
	NURSE	A 4	Asph. tile	D.F.		Plaster	Acoust. A	D.F.		D.F.	
	SECRETARY	A 5	Asph. tile	D.F.	Birch Plywd.	Stucco	Acoust. A	D.F.	D.F.		
	PRINCIPAL	A 6	Asph. tile	D.F.		Birch Plywd.	Acoust. A	D.F.			
	CONFERENCE	A 7	Asph. tile	D.F.		Birch Plywd.	Acoust. A	D.F.			Plywood on walls over Stucco
	TEACHERS WORK	A 8	Asph. tile	D.F.		Plywood	Acoust. A	D.F.			
	WOMEN TEACHERS REST ROOM	A 9	Asph. tile	D.F.		Stucco	Acoust. A	D.F.	D.F.		
	WOMEN TOILET	A 10	Tile	Tile	Tile	Plaster	Acoust. A	D.F.			
	MEN TOILET	A 11	Tile	Tile	Tile	Plaster	Acoust. F	D.F.			
	STORAGE	A 12	Asph. tile	D.F.	D.F.	Stucco	Stucco	D.F.			
	CORRIDOR	A 13	Asph. tile	D.F.	Birch Plywd.	Stucco	Acoust. A	D.F.	D.F.		Walnut Batt 84/B
	JANITOR	A 14	Asph. tile	D.F.		Plaster	Plaster				
	CLOSET	A 15	Asph. tile	D.F.		Stucco	Stucco				
MULTI-USE UNIT	MULTI-USE RM	MU 1	Wood Block	Cork	Plywood	Acoust. B & Stucco	Acoust. B & Stucco		D.F.		See Shts 15-20
	MECHANICAL RM	MU 6	Cement	cement		Stucco	Stucco				
	STORAGE	MU 9	Asph. tile	D.F.		Stucco	Stucco				
	KITCHEN	MU 8	Asph. tile / Asph. tile	Asph. / Asph.		Plaster / Plaster	Acoust. F / Acoust. B	D.F.			
	SCULLERY	MU 5	Asph. tile	Asph.		Plaster	Acoust. B & Stucco	D.F.			
	DAY GARAGE	MU 6	Asph. tile	Asph.		Plaster	Acoust. F				
	LOCKER ROOM	MU 7	Tile	Tile	Tile	Plaster	Acoust. F	D.F.			
	GARAGE	MU 8	Cement			Brick	Stucco				
	PLATFORM	MU 10	Asphalt	D.F.		Stucco	Stucco	D.F.	D.F.		
KINDERGARTEN PRIMARY	TOILETS	T 4, 6, 7	Tile	Tile	F/G	Plaster	Acoust. F	D.F.			See sheet # 12
	HEATER RM.	T 5, 6	Cement	cement		Stucco	Stucco				
	JANITOR	T 6, 8	Cement	cement		Plaster	Plaster				
	PRIMARY	P1, 2, 3	Asph. Tile	D.F.	*Plywood	Stucco	Acoust. A	D.F.	D.F.		See Sheet # 8
	& TOILETS	P4, 5, 7, 8 10 & 11	Tile	Tile	Tile 5'0	Plaster	Acoust. A	D.F.			
	& STORAGE	P9, 9, 12	Cement	Cement		Stucco	Stucco				
	KINDERGARTEN	K1	Asph. Tile	D.F.	*Plywood	Stucco	Acoust. A	D.F.	D.F.		See sheet # 10
	& TOILETS	K2, K3	Tile	Tile	Tile 5'0	Plaster	Acoust. A	D.F.			
	& STORAGE	K4	Cement	Cement		Stucco	Stucco				

*Plywood to be pressure treated with Pyresote or Protexol or equal fire retardant

@ Acoustex Tile to be treated with 2 coats Allo-R or equal fire retardant

SCHEDULE OF INTERIOR PAINTING

Room	Base	Wainsc.	Walls	Ceilg.	Window Sash Frame & Trim	Other Wood	Remarks
CLASSROOMS	Enamel	Stain	Flatwall		Eggshell	Stain	
WORK ROOM	Enamel	Stain	Flatwall		Eggshell	Stain	
BOOK STORAGE	Enamel		Flatwall		Eggshell	Stain	
WORK ROOM	Enamel	Stain	Flatwall		Eggshell	Stain	
WAITING	Enamel	Stain	Flatwall		Eggshell	Stain	
ISOLATION	Enamel		Flatwall		Eggshell	Enamel	
TOILET	Enamel		Enamel	Enamel	Enamel	Enamel	
NURSE	Enamel		Flatwall		Eggshell	Stain	
SECRETARY	Enamel	Stain	Flatwall		Eggshell	Stain	
PRINCIPAL	Enamel		Flatwall		Eggshell	Stain	
CONFERENCE	Enamel		Flatwall		Eggshell	Stain	
TEACHERS WORK	Enamel		Flatwall		Eggshell	Stain	
WOMEN TEACHERS REST ROOM	Enamel		Flatwall		Eggshell	Enamel	
WOMEN TOILET			Enamel	Enamel	Enamel	Enamel	
MEN TOILET			Enamel	Enamel	Enamel	Enamel	
STORAGE	Enamel		Stain			Stain	
CORRIDOR	Enamel		Flatwall			Stain	
JANITOR	Enamel		Enamel	Enamel		Enamel	Dark enamel Satin 3-0 high
CLOSET	Enamel					Stain	
MULTI-USE RM	Stain	Stain	Flatwall Acoustex A	Stucco & Acoustex A	Eggshell	Stain	
MECHANICAL RM						Stain	
STORAGE	Enamel					Stain	
KITCHEN			Enamel	Enamel	Enamel	Enamel	
SCULLERY			Enamel	Enamel		Enamel	
DAY GARAGE			Enamel	Enamel	Enamel	Enamel	
LOCKER ROOM			Enamel	Enamel	Enamel	Enamel	
GARAGE						Paint Metal	
PLATFORM	Enamel		Flatwall		Eggshell	Stain	
TOILETS			Enamel	Enamel	Enamel	Enamel	
HEATER RM.						Stain	Dark enamel Satin 3-0 high
JANITOR			Enamel	Enamel		Stain	Dark enamel Satin 3-0 high
PRIMARY	Enamel	Stain	Flatwall		Eggshell	Stain	
& TOILETS			Enamel	Enamel	Enamel	Enamel	
& STORAGE						Stain	
KINDERGARTEN	Enamel	Stain	Flatwall		Eggshell	Stain	
& TOILETS			Enamel	Enamel	Enamel	Enamel	
& STORAGE						Stain	

ALTERNATE #1

1" Polished frame face

MEADOW HOMES SCHOOL

(Dull cutting background)

1951 (Polished face Letters)

BOARD OF EDUCATION
OSCAR LARSON PRESIDENT
ARNOLD C. BJORK — DORIS E. LOVERIDGE
ETHEL A. WIGET — HARMON E. WELSH

SUPERINTENDENT OF SCHOOLS
JAMES W. DENT

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS — CONFER & WILLIS
REYNOLDS & CHAMBERLAIN — JOHN LYON REID

CONTRACTOR
NAME OF CONTRACTOR
(Insert name of Contractor)

ALTERNATE #1

3'-0"

CAST BRONZE DEDICATION PLAQUE N.I.C.

Scale: 3" = 1'-0"

Note: Full size detail of plaque will be provided at time of fabrication. See larger scale detail of lettering below.

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3B	FOUNDATION DETAILS	5
4	FLOOR PLAN	6
4A	FLOOR PLAN	7
5	ROOF FRAMING PLAN	8
5A	ROOF FRAMING PLAN & DETAILS	9
6	ELEVATIONS	10
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8	PRIMARY CLASSROOM INTERIOR	12
9	CLASSROOM INTERIOR	13
10	KINDERGARTEN	14
11	BOOK STORAGE & WORK ROOMS.	15
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SUPERINTENDENT OF SCHOOLS

BOARD OF TRUSTEES

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT — ENGINEER

TITLE SHEET - SCHEDULES

MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

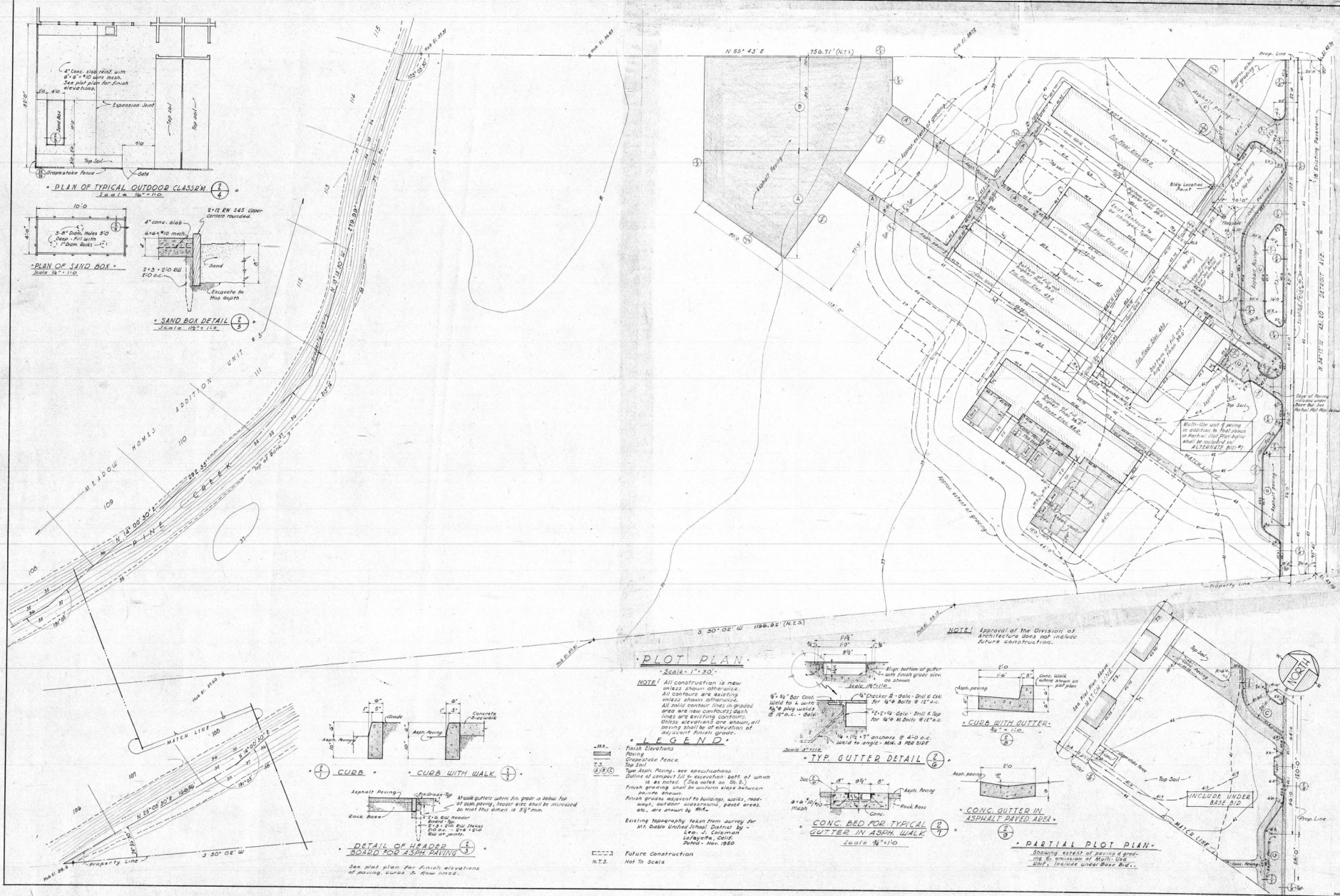
DATE 2-15-51

SHEET 1

1

OF 37 SHEETS

MEADOW HOMES SCHOOL


4" Conc. slab reinf. with 6'-6" x 10 wire mesh. See plot plan for finish elevations.
Expansion Joint
Sand Box
Top Soil
Grapestake Fence
Gate
PLAN OF TYPICAL OUTDOOR CLASSRM (2/4)
Scale 1/8" = 1'-0
3-8" Diam. Holes 8'-0 Deep - Fill with 1" Diam. Rocks
PLAN OF SAND BOX
Scale 1/4" = 1'-0
4" conc. slab
6"x6"x10 mesh
2"x12" RW S4S Upper corners rounded.
Sand
Excavate to this depth
2"x8" - 2'-0" RW 2'-0" o.c.
SAND BOX DETAIL (2/5)
Scale 1 1/2" = 1'-0
MEADOW HOMES ADDITION UNIT #3
PINE CREEK
N 24° 00' 30" E
S 30° 05' W
Top of Bank
Property Line
N 55° 43' E 750.71' (N.L.T.)
Asphalt Paving
Bldg. Location Point
Prop. Line
Existing Pavement
Top Soil
Asphalt Paving
Edge of Paving including under Door Bar. See Partial Plot Plan Below
Alternate Bid #1
Match Line
Include under Base Bid
Property Line
S 30° 05' W 1196.92' (N.L.T.)
PLOT PLAN
Scale - 1" = 30'
NOTE! All construction is new unless shown otherwise. All contours are existing unless shown otherwise. All solid contour lines in graded areas are new contours; dash lines are existing contours. Unless elevations are shown, all paving shall be at elevation of adjacent finish grade.
LEGEND
Finish Elevations
Paving
Grapestake Fence
Top Soil
Type Asph. Paving - see specifications
Outline of compact fill & excavation batt, of which is as noted. (See notes on Sh. 5.)
Finish grading shall be uniform slope between points shown.
Finish grades adjacent to buildings, walks, roadways, outdoor classrooms, paved areas, etc., are shown by ###.
Existing topography taken from survey for Mt. Diablo Unified School District by - Leo J. Coleman Lafayette, Calif. Dated - Nov. 1960
Future Construction
N.T.S. Not To Scale
NOTE! Approval of the Division of Architecture does not include future construction.
Align bottom of gutter with finish grade elev. as shown
Scale 1" = 1'-0
4" Checker B - Galv. - Drill & Clk. for 1/4" Bolts @ 12'-0" o.c.
1/4" x 1 1/4" x 7" anchors @ 4'-0 o.c. weld to angle - Min. S 9EB 31.8#
Scale 3" = 1'-0
TYP. GUTTER DETAIL (2/6)
Conc. Walk. Refine shown on plot plan
CURB WITH GUTTER (2/8)
Asph. Paving
Rock Base
Conc.
Mesh
CONC. BED FOR TYPICAL GUTTER IN ASPH. WALK (2/7)
Scale 1" = 1'-0
CONC. GUTTER IN ASPHALT PAVED AREA (2/9)
PARTIAL PLOT PLAN
Showing extent of paving & grading to omission of Multi-Use Unit. Include under Base Bid.
CURB (1/1)
CURB WITH WALK (1/2)
Asphalt Paving
Rock Base
At walk gutters where 6in. grade is below top of conc. paving, header size shall be increased 2in min. thus 6"x12" min.
DETAIL OF HEADER BOARD FOR ASPH. PAVING (1/3)
See plot plan for finish elevations of paving, curbs & flow lines.
NORTH
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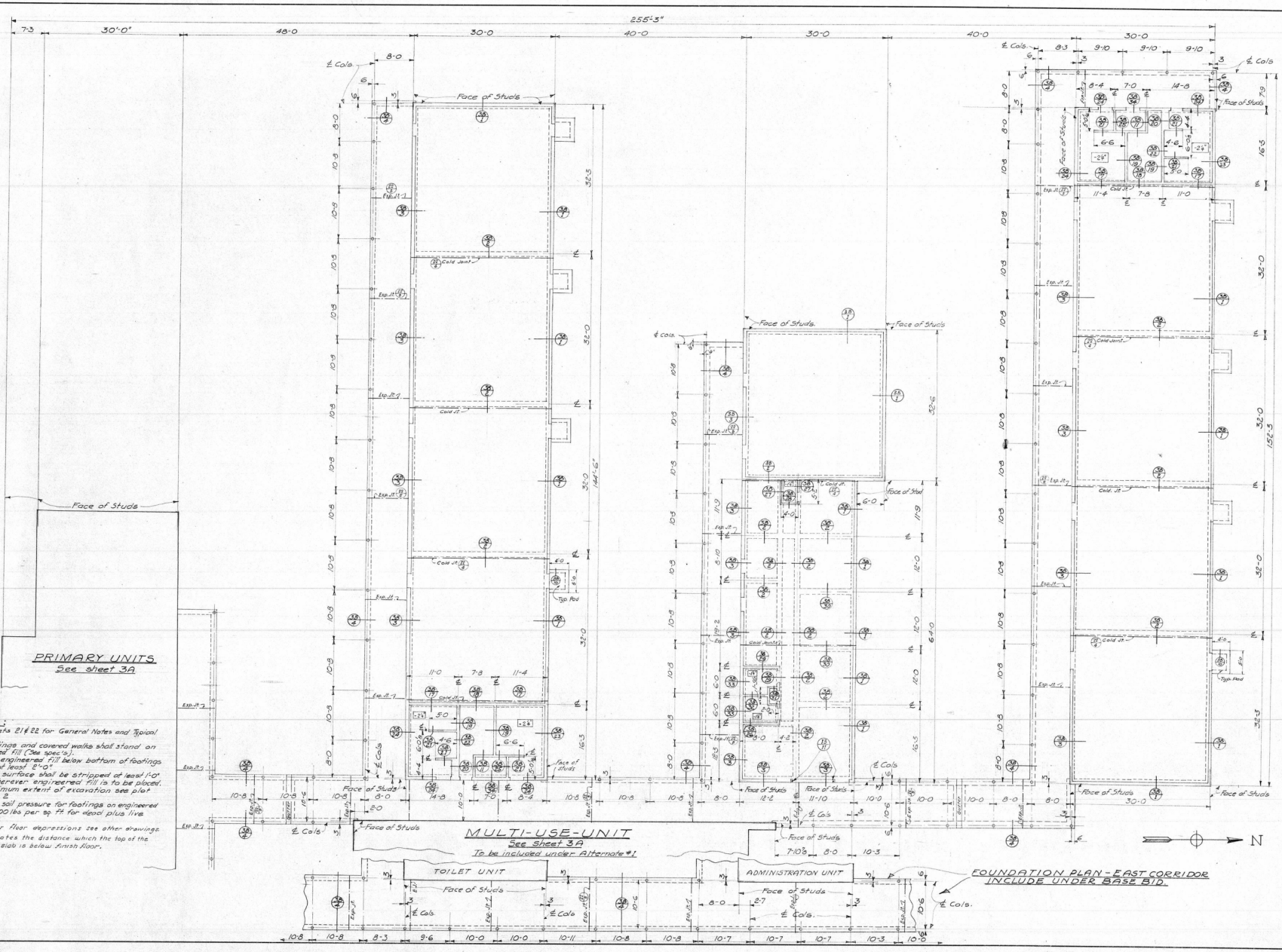
PLOT PLAN
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
FILE 50-10-T
DATE 2-15-61
SHEET 2
2
OF 37 SHEETS



NOTES:

1. See Sheets 21 & 22 for General Notes and Typical details.
2. All buildings and covered walks shall stand on engineered fill (See spec's).
3. Depth of engineered fill below bottom of footings shall be at least 2'-0".
4. Existing surface shall be stripped at least 1'-0" deep, wherever engineered fill is to be placed.
5. For minimum extent of excavation see plat plan, Sh. 2.
6. Allowable soil pressure for footings on engineered fill is 2500 lbs. per sq. ft. for dead plus live load.
7. For minor floor depressions see other drawings.
8. (7") Indicates the distance which the top of the conc. slab is below finish floor.

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FOUNDATION PLAN

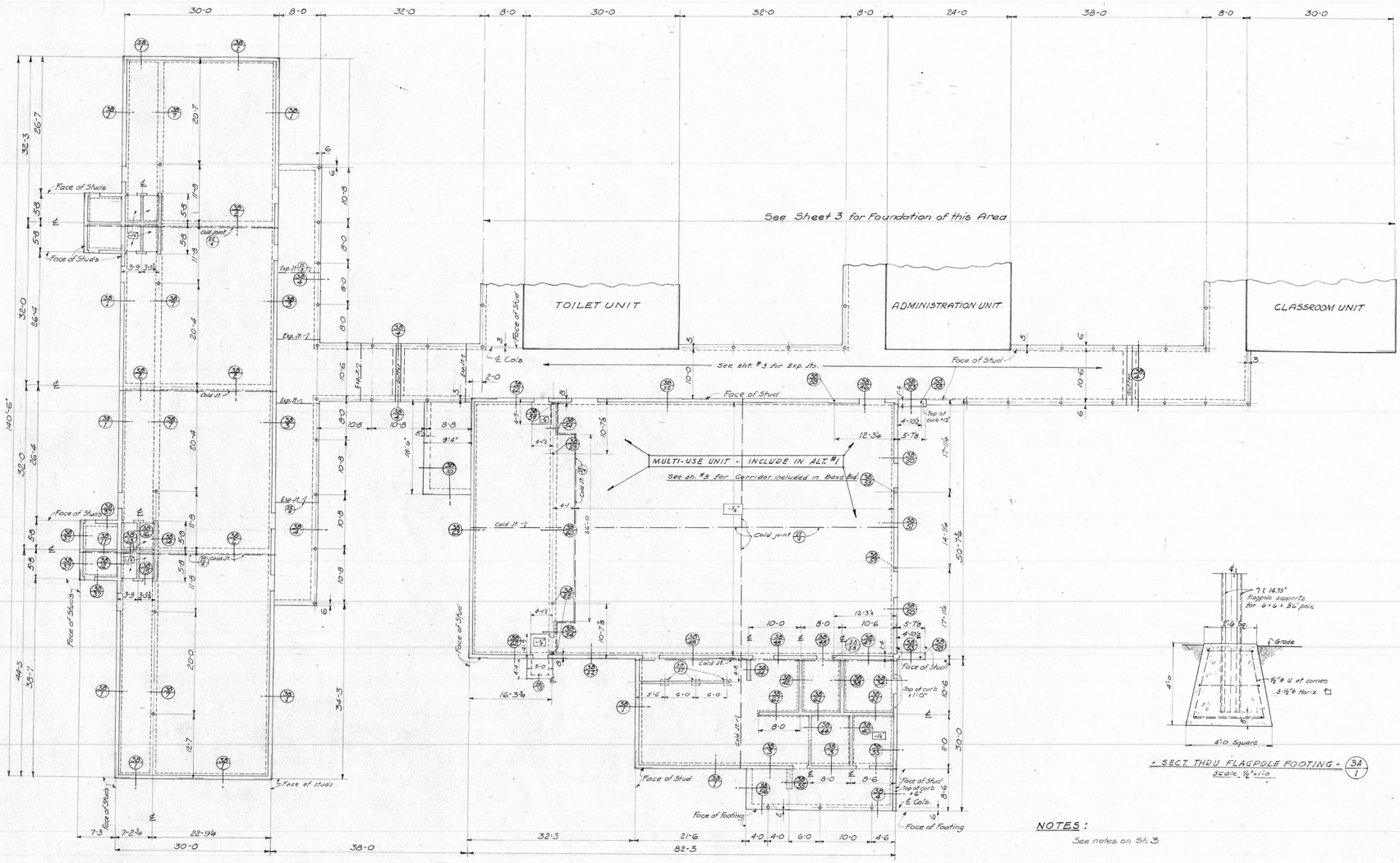
MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE

DATE 2-15-51

SHEET 3
OF 37 SHEETS



1 SECT. THRU FLAGPOLE FOOTING - (3A/1)
Scale 1½"=1'-0

NOTES:
See notes on Sh. 3

N

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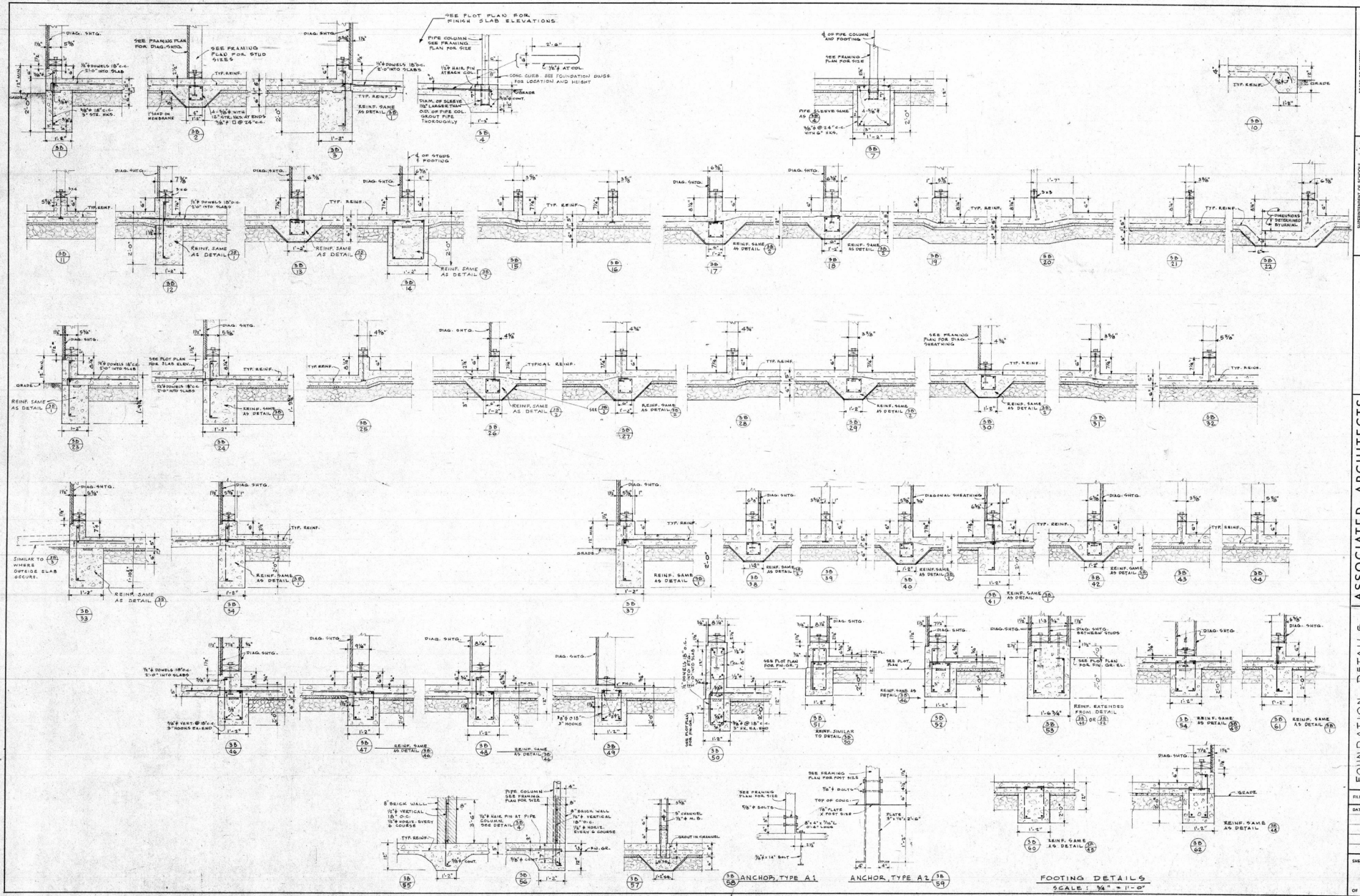
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 2-15-61

SHEET 4 OF 37 SHEETS
3A



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FOUNDATION DETAILS

MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

DATE 2-13-51

SHEET 5
3B
OF 27 SHEETS

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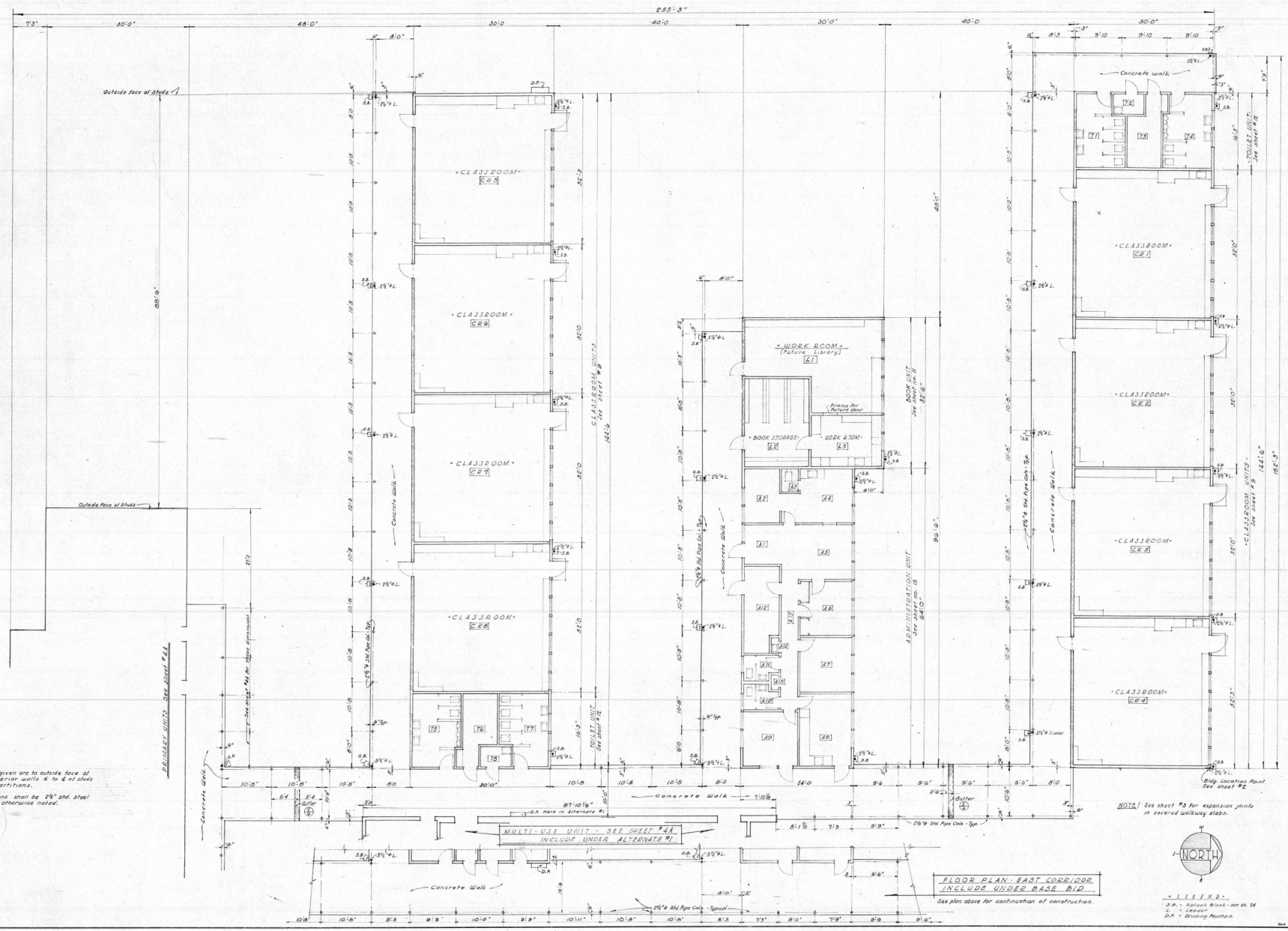

• NOTES •
Dimensions given are to outside face of studs for exterior walls & to ℄ of studs for interior partitions.

All pipe columns shall be 2⅜" std. steel pipe unless otherwise noted.

• L E G E N D •
S.B. = Splash Block - see sh. 2A
L = Leader
D.F. = Drinking Fountain

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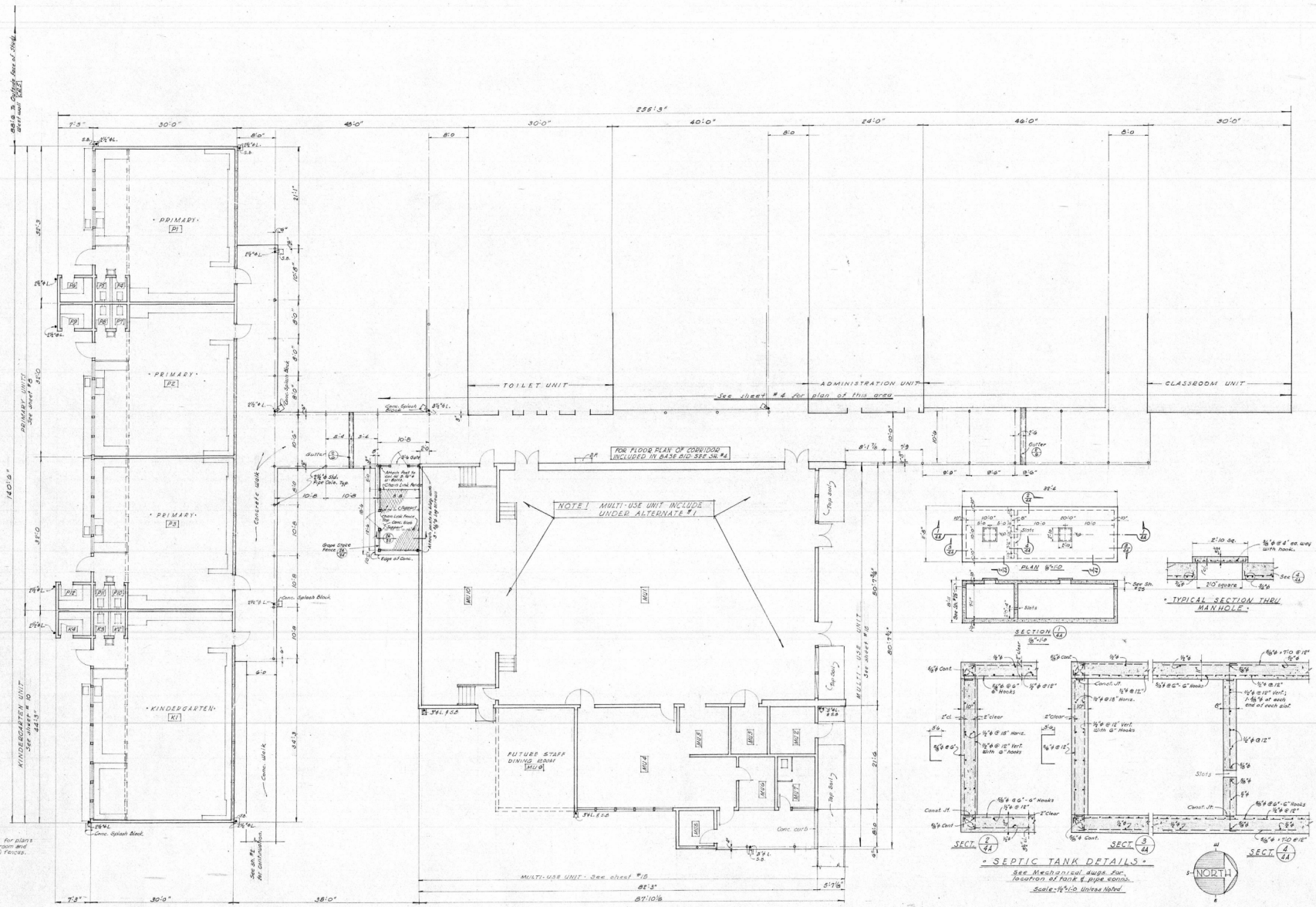
FLOOR PLAN
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 2-12-51
SHEET 4 OF 39 SHEETS



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FLOOR PLAN

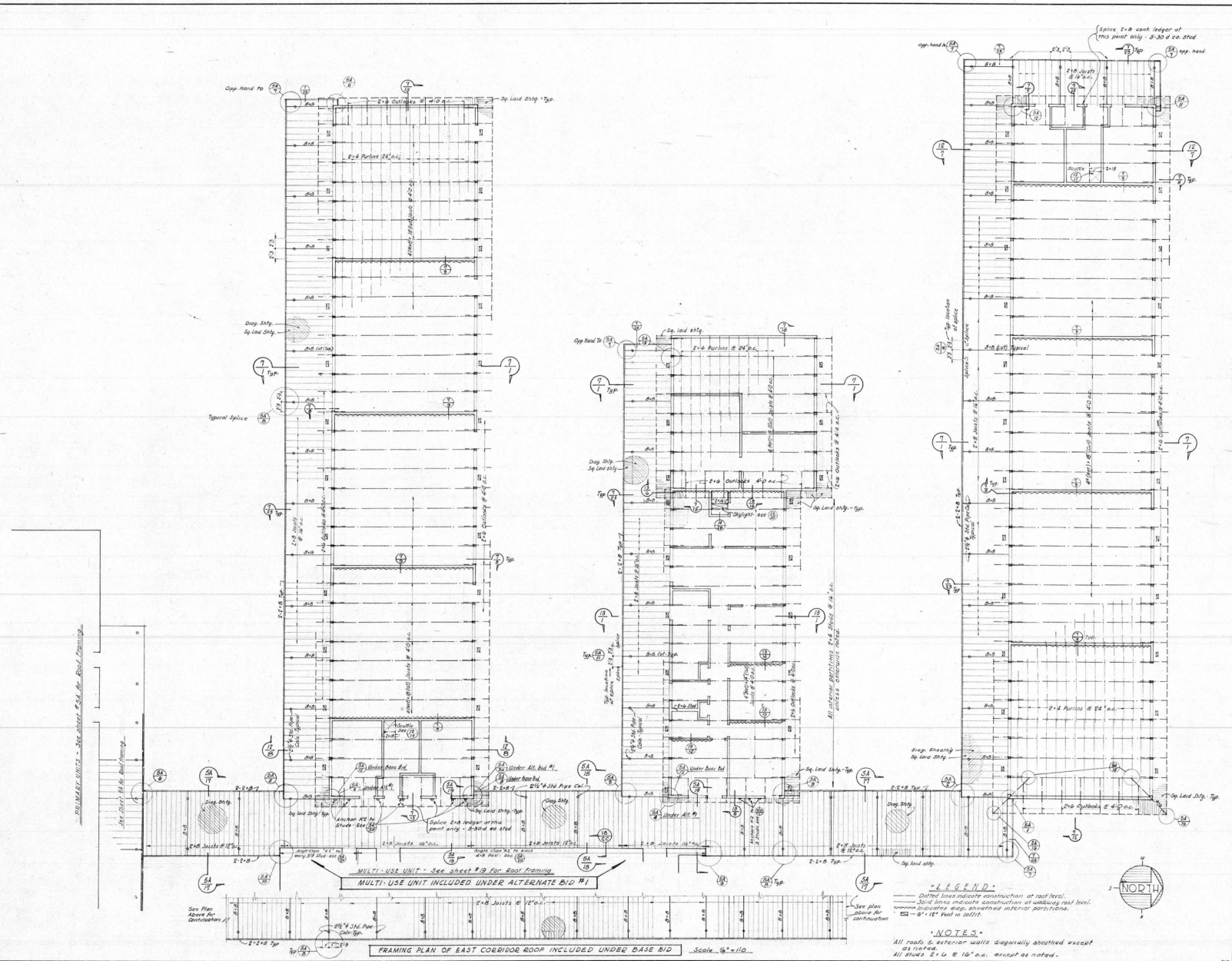
MEADOW HOMES SCHOOL

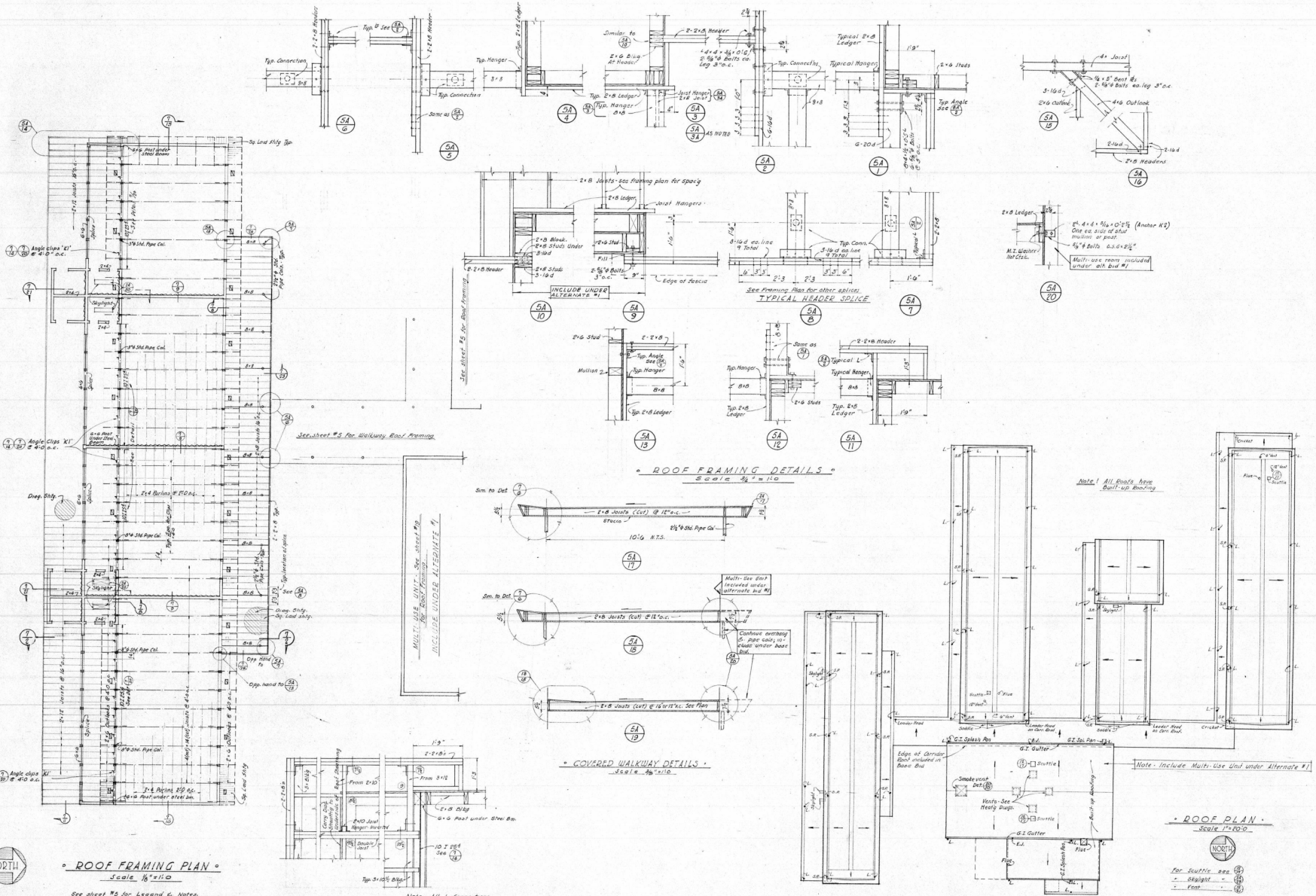
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

DATE 2-15-51

SHEET 7
4A
OF 37 SHEETS


PRIMARY UNITS - See sheet #5A for Roof Framing
See Sheet #5 for Roof Framing
MULTI-USE UNIT - See sheet #13 for Roof Framing
MULTI-USE UNIT INCLUDED UNDER ALTERNATE BID #1
FRAMING PLAN OF EAST CORRIDOR ROOF INCLUDED UNDER BASE BID
Scale 1/8"=1'0
Opp. Hand to
Sq. Laid Shtg. - Typ.
2x4 Purlins 24" o.c.
2x8 Outlookers @ 4'0 o.c.
Typical Splice
Diag. Shtg. Sq. Laid Shtg.
Under Base Bid
Under Alt. Bid #1
Anchor #12 to Studs - See
Splice 2x8 ledger at this point only - 3-30d ea stud
2x8 Joists @ 12" o.c.
2x8 Joists @ 16" o.c.
2x8 Joists @ 18" o.c.
Angle clips #12 to each 4x8 Purl. See
Angle clips #12 each end only 3/8 Stud. See
2-2x8 Typ.
2-2x8 Cont.
2-2x8 Cont. Typ.
2-2x8 Stud @ 16" o.c.
2-2x8 Stud @ 12" o.c.
2-2x8 Stud @ 18" o.c.
2-2x8 Stud @ 24" o.c.
2-2x8 Stud @ 4'0 o.c.
2-2x8 Stud @ 5'0 o.c.
2-2x8 Stud @ 6'0 o.c.
2-2x8 Stud @ 7'0 o.c.
2-2x8 Stud @ 8'0 o.c.
2-2x8 Stud @ 9'0 o.c.
2-2x8 Stud @ 10'0 o.c.
2-2x8 Stud @ 11'0 o.c.
2-2x8 Stud @



ROOF FRAMING PLAN

Scale 1/8" = 1'-0"

See sheet #8 for Legend & Notes.

ROOF FRAMING DETAILS

Scale 3/4" = 1'-0"

COVERED WALKWAY DETAILS

Scale 3/4" = 1'-0"

ROOF PLAN

Scale 1" = 10'-0"

For Scuttle see
- Skylight -
- Vent -

LEGEND

L - Leader
S.P. - G.I. Splash Pan
E.J. - Expansion Joint

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ROOF FRAMING - PLAN & DETAILS
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
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BOARD OF TRUSTEES
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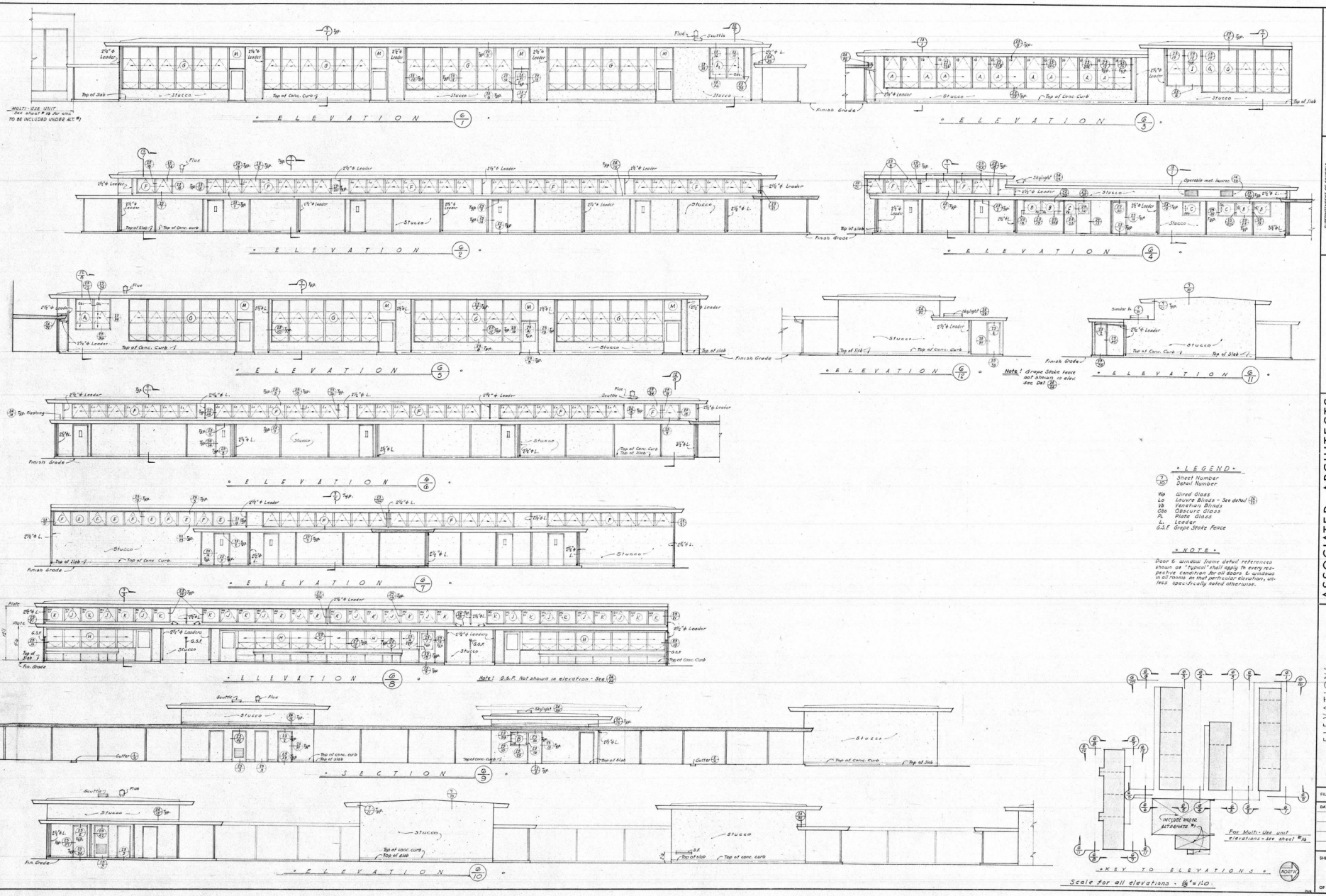
SHEET 9
OF 39 SHEETS
5A



• E L E V A T I O N (G/1) •

• E L E V A T I O N (G/3) •

• E L E V A T I O N (G/2) •

• E L E V A T I O N (G/4) •

• E L E V A T I O N (G/5) •

• E L E V A T I O N (G/10) •

• E L E V A T I O N (G/11) •

• E L E V A T I O N (G/6) •

• E L E V A T I O N (G/7) •

• E L E V A T I O N (G/8) •

• S E C T I O N (G/9) •

• E L E V A T I O N (G/10) •

• L E G E N D •

7/10 Sheet Number / Detail Number

Wg Wired Glass
Lo Louvre Blinds - See detail 11/10
Ve Venetian Blinds
Obs Obscure Glass
PL Plate Glass
L. Leader
G.S.F Grape Stake Fence

• N O T E •

Door & window frame detail referenced shown on "typical" shall apply to every respective condition for all doors & windows in all rooms on that particular elevation, unless specifically noted otherwise.

• K E Y T O E L E V A T I O N S •

Scale for all elevations - 1/8" = 1'-0

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ELEVATIONS

MEADOW HOMES SCHOOL

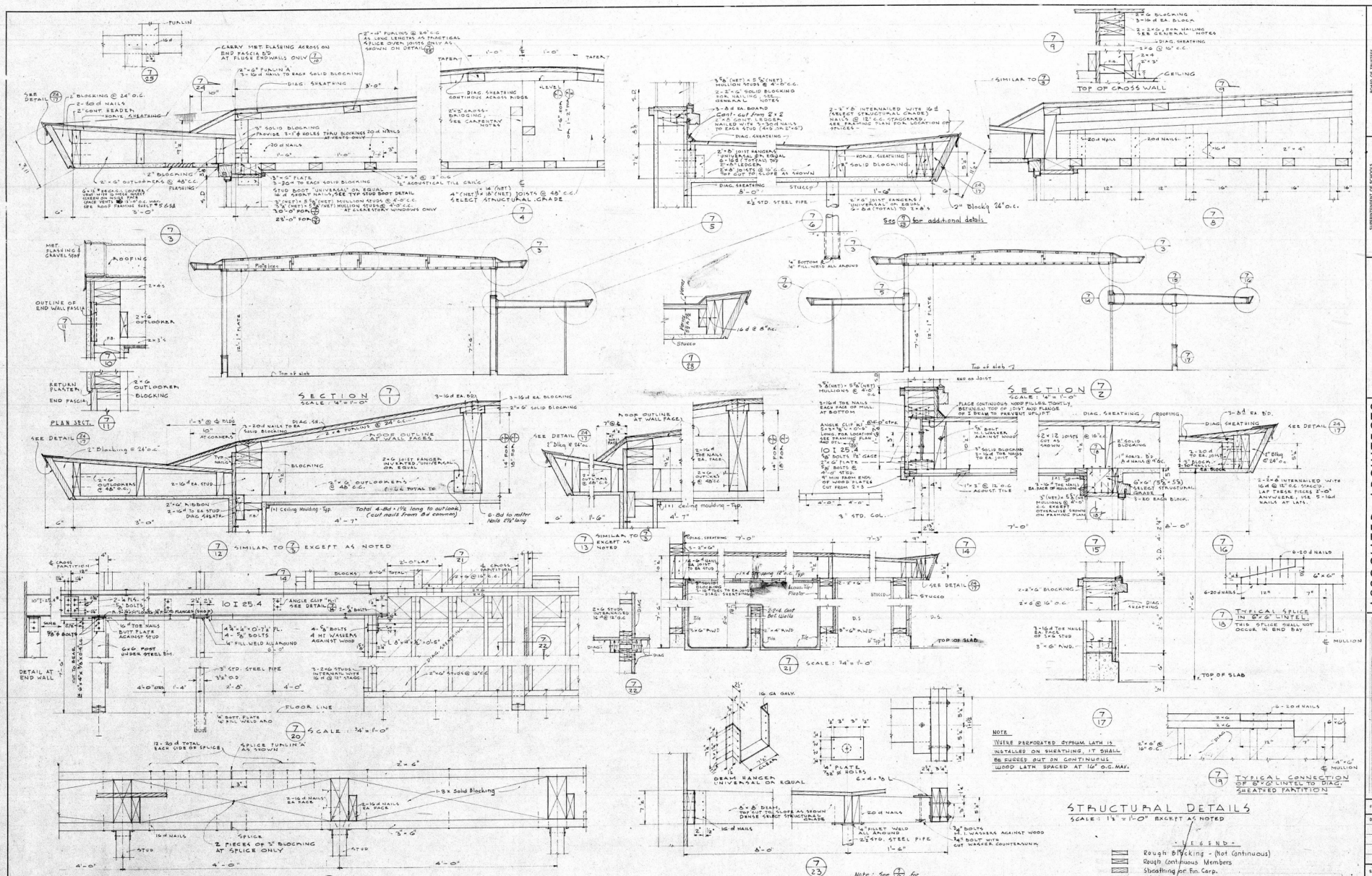
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

DATE 2-15-61

SHEET NO 6

OF 39 SHEETS



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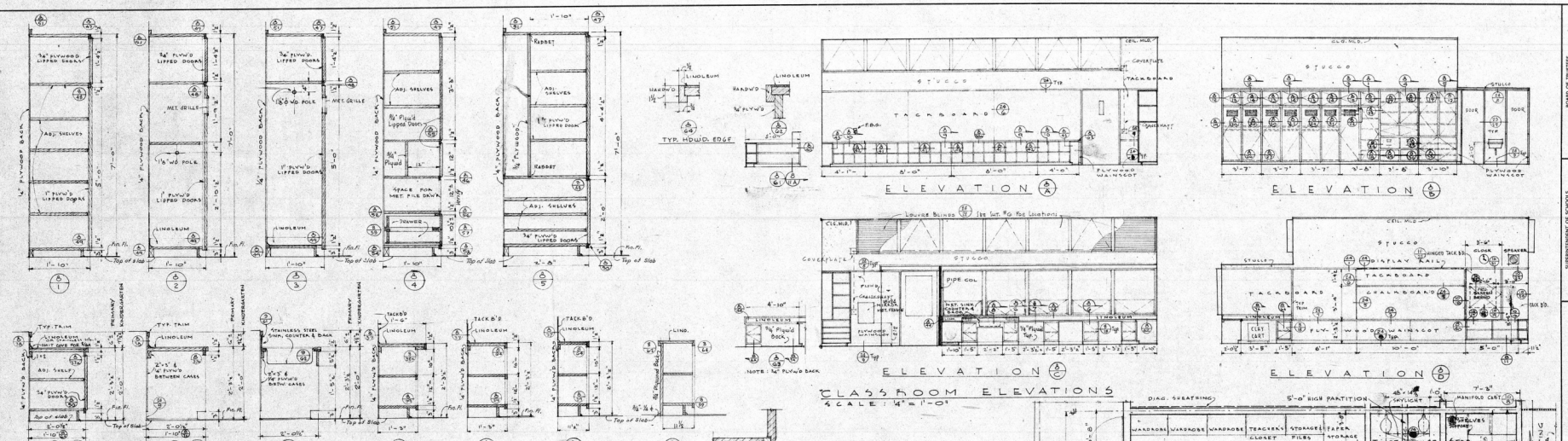
SECTIONS

MEADOW HOMES SCHOOL

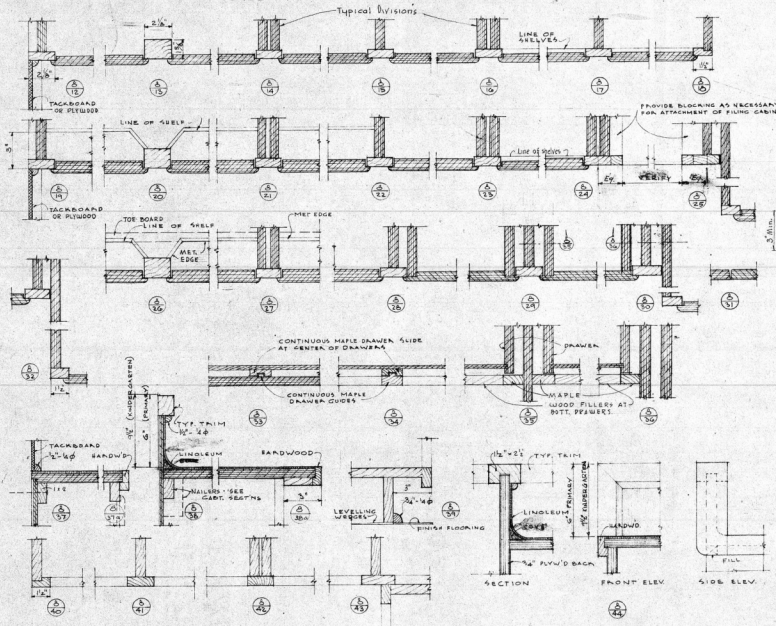
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 2-15-51

SHEET H 7 OF 37 SHEETS

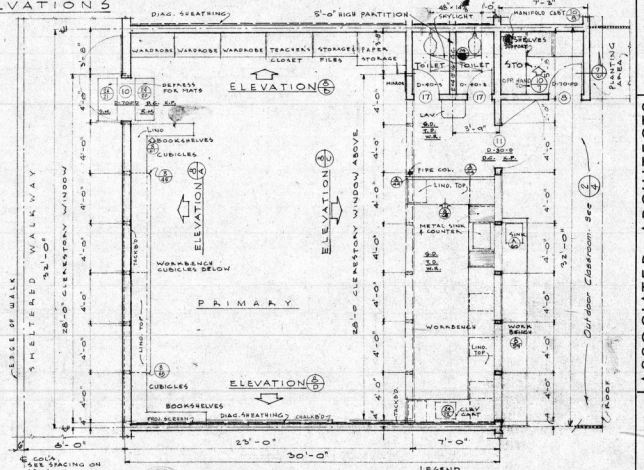


CABINET SECTIONS
SCALE: 3/4" = 1'-0"



CABINET DETAILS
SCALE: 3" = 1'-0"
UNLESS OTHERWISE NOTED ALL VERTICAL NAILS SHALL BE 2½" NET WIRE

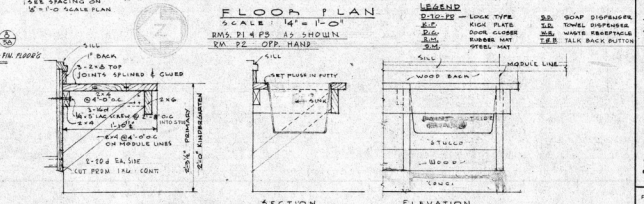
CLASSROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



FLOOR PLAN
SCALE: 1/4" = 1'-0"
RMS. P1 & P3 AS SHOWN
RM. P2 OPP. HAND

LEGEND

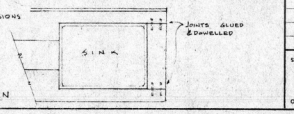
D-10-P2	LOCK TYPE	S.D.	SOAP DISPENSER
R.P.	RIDGE PLATE	T.D.	TOWEL DISPENSER
D.C.	DOOR CLOSER	W.R.	WASTE RECEPTACLE
R.M.	RUBBER MAT	T.B.B.	TALK BACK BUTTON
S.M.	STEEL MAT		



OUTDOOR WORKBENCH
SCALE: 1"=1'-0"

SECTION SUPPORT DETAIL
SCALE: 1"=1'-0"

NOTE: CHECK SINK DIMENSIONS



PLAN

NOTE 1
1. Unless shown or noted otherwise, the following notes shall apply to all cabinets.
2. Divisions which have adjustable shelves on both sides shall be 1" net minimum thickness. All others and ½ divisions of cabinets shall be ¾" thick.
3. All fixed shelves shall be rabbeted ¼" into the ends & divisions and be glued. Where fixed shelves align on opposite sides of a division, they shall be installed with ⅜" dowels when going through the division and extend 1" min. into each shelf and be rabbeted as specified above.

ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK
EXCEPT THOSE HAVING METAL CLIP DET. 3/14 AT THE TOP.

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PRIMARY CLASSROOM INTERIOR

MEADOW HOMES SCHOOL

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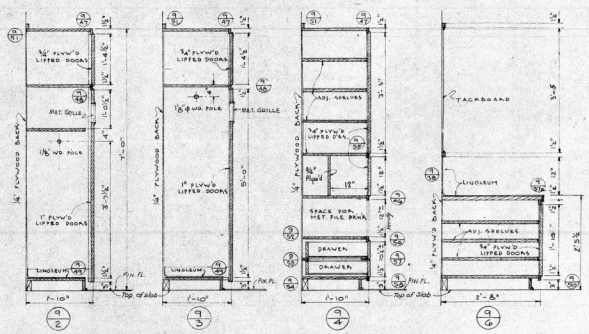
CONTRA COSTA COUNTY, CALIFORNIA

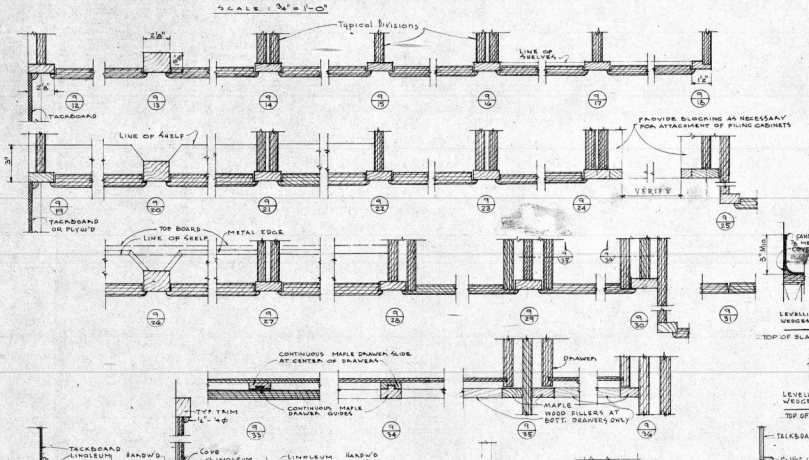
FILE 50-10-T
DATE 2-15-51

SHEET 12 OF 37 SHEETS
8



CABINET SECTIONS

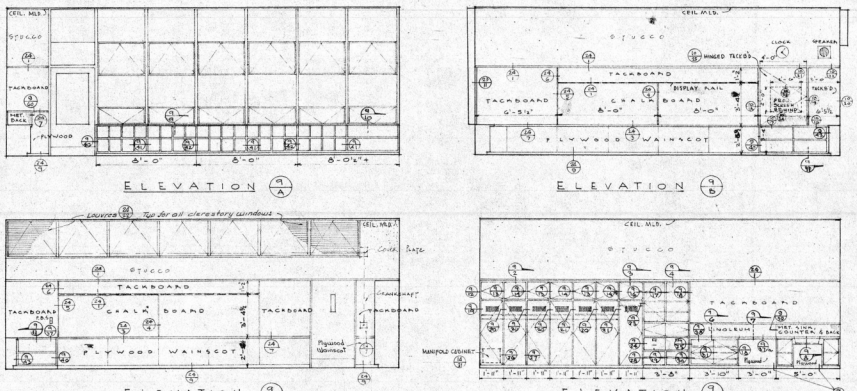
SCALE: 3/4" = 1'-0"



CABINET DETAILS

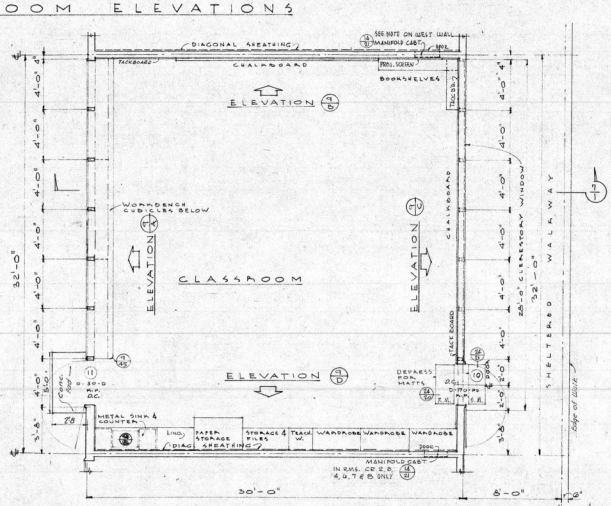
SCALE: 3" = 1'-0"

UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2⅛"



CLASSROOM ELEVATIONS

SCALE: 1/4" = 1'-0"



FLOOR PLAN

SCALE: 1/4" = 1'-0"

R.M. = Rubber Mat

S.M. = Steel Mat

NOTE: UNLESS SHOWN OR NOTED OTHERWISE THE FOLLOWING NOTES SHALL APPLY TO ALL CABINETS:

1. DIVISIONS WHICH HAVE ADJUSTABLE SHELVES ON BOTH SIDES SHALL BE 1" NET MIN. THICKNESS.
2. ALL OTHER ENDS & DIVISIONS OF CAB'TS. SHALL BE ¾" THK.
3. ALL FIXED SHELVES SHALL BE RABBETED ¼" INTO THE ENDS & DIVISIONS AND BE GLUED. WHERE FIXED SHELVES ALIGN ON OPPOSITE SIDES OF A DIVISION, THEY SHALL BE INSTALLED WITH ⅝ø DOWELS WHICH GO THRU THE DIVISION & EXTEND 1" MIN. INTO EA. SHELF, AND BE RABBETED AS SPECIFIED ABOVE.

ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK EXCEPT THOSE HAVING METAL CLIP DET. 24/14 AT THE TOP.

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CLASSROOM INTERIOR

MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

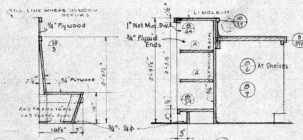
FILE 50-10-T

DATE 2-12-51

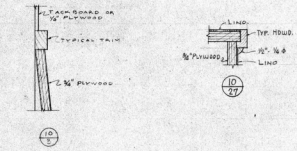
SHEET 13

9

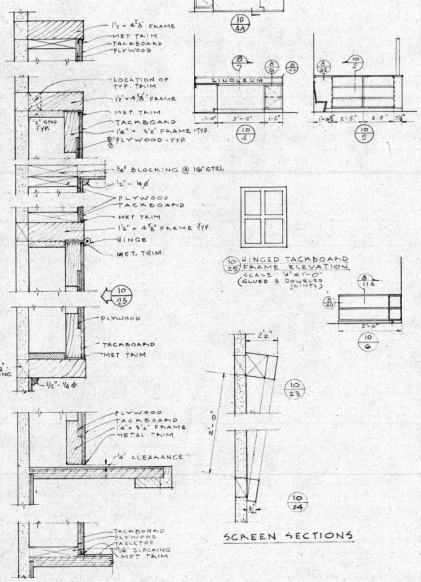
OF 37 SHEETS



CABINET SECTIONS
SCALE: 3/4" = 1'-0"

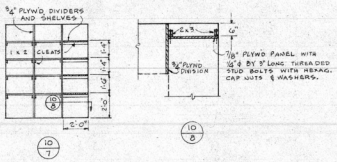


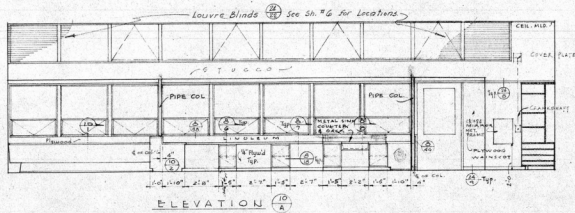
CABINET DETAILS
SCALE: 3" = 1'-0"
UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2 1/2"



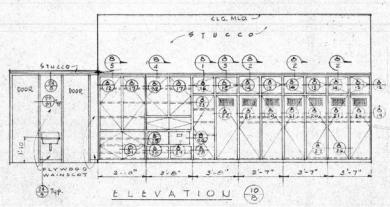
DETAIL OF HINGED TACKBOARD AND PROJECTION SCREEN
SCALE: 3" = 1'-0"

SCREEN SECTIONS

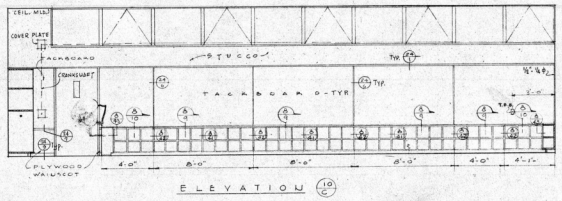




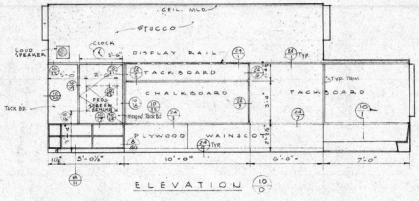
ELEVATION 10/A



ELEVATION 10/B

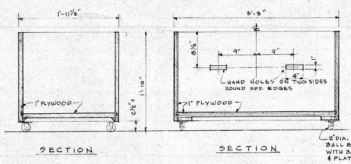


ELEVATION 10/C

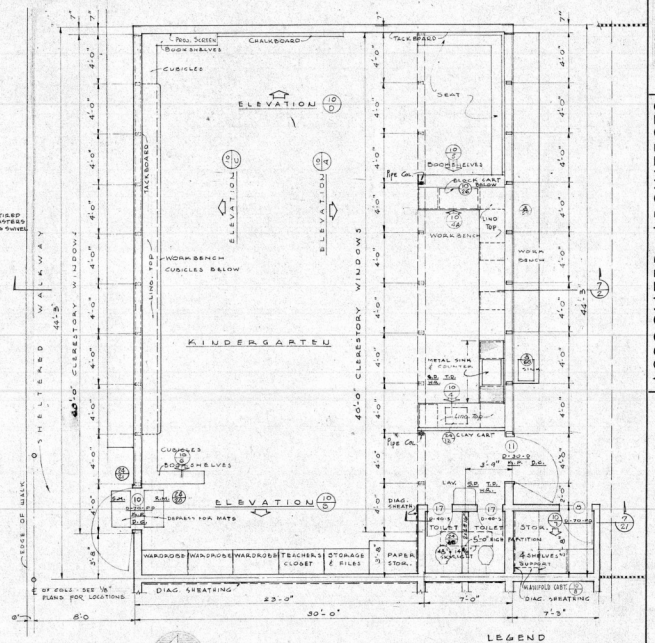


ELEVATION 10/D

CLASSROOM ELEVATIONS
SCALE 1/4" = 1'-0"



SECTION SECTION
BLOCK CART 10/20
SCALE: 1" = 1'-0"



FLOOR PLAN
SCALE: 1/4" = 1'-0"

ALL CABINETS - EXCEPT THOSE HAVING METAL CLIPS DET. (4) AT THE TOPS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK.

LEGEND

D-30-E	LOCK TYPE
K.P.	KICK PLATE
D.C.	DOOR CLOSER
R.M.	RUBBER MAT
S.M.	STEEL MAT
S.D.	SOAP DISPENSER
T.D.	TOWEL DISPENSER
W.R.	WASTE RECEPTACLE
T.B.B.	TALK BACK BUTTON

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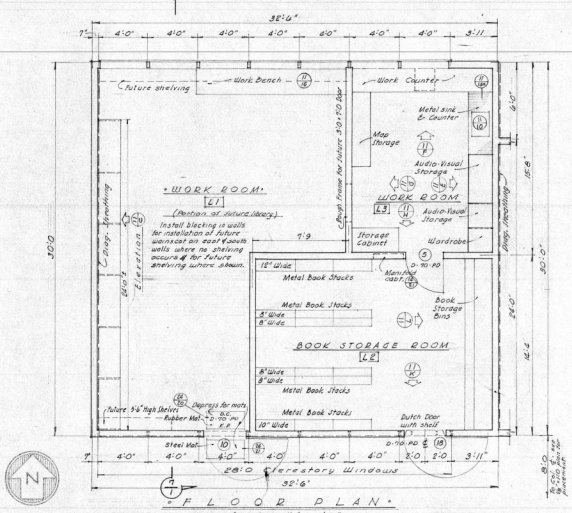
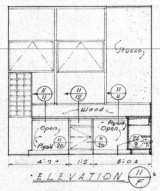
FILE 50-10-T
DATE 2-13-51

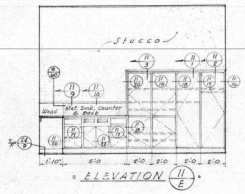
SHEET 14 OF 37 SHEETS
10



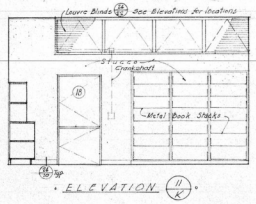
• FLOOR PLAN •
Scale 1/8" = 1'-0"



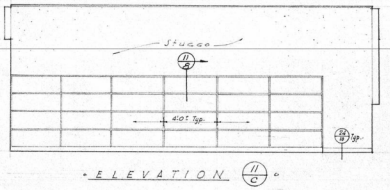
• ELEVATION (F) •



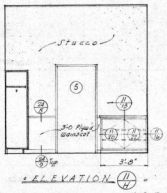
• ELEVATION (E) •



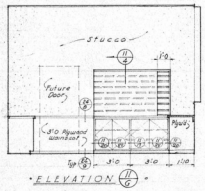
• ELEVATION (K) •



• ELEVATION (C) •

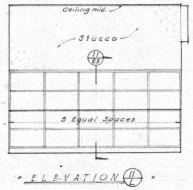


• ELEVATION (H) •



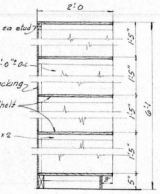
• ELEVATION (G) •

• WORK ROOM (33) •
Scale 1/4" = 1'-0"

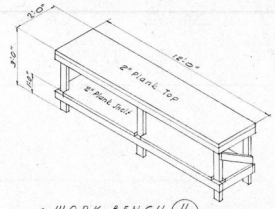


• ELEVATION (J) •

• BOOK STORAGE RM (32) •
Scale 1/4" = 1'-0"

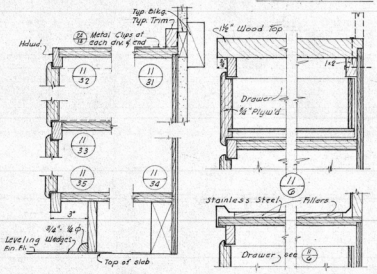


• DETAIL (B) •
Scale 3/4" = 1'-0"

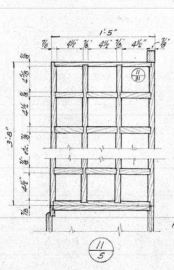


• WORK BENCH (15) •

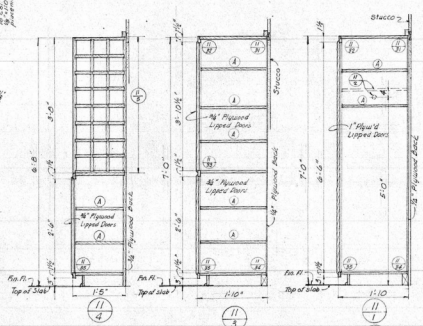
Top & Shelf shall be 8" Stock at least 8" wide ; each plank to be full length of bench. Joints shall be splined & glued. Top shall be machine planed after assembly to give a uniform surface. Legs, rails & braces shall be 3"x 4". Provide brace at each end as shown and a V- brace at the back. Use 10-d nails for all connections ; predrill where necessary to prevent splitting.

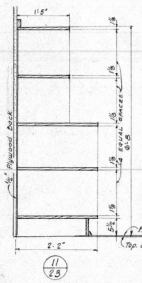


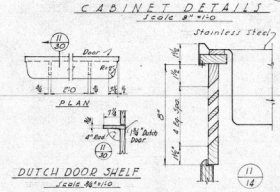
CABINET DETAILS
Scale 3"=1'-0"

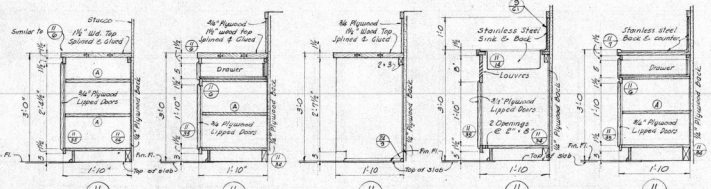


MAP STORAGE
Scale 1/4" = 1'-0"





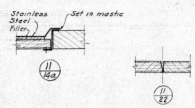


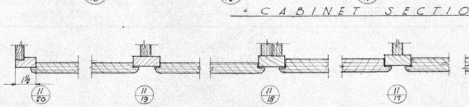


• CABINET SECTIONS • 3/4"=1'-0"

NOTE : Unless shown or noted otherwise the following notes shall apply to all cabinets

1. Divisions which have adjustable shelves, on both sides shall be 1" net thickness min.
2. All other ends & divisions of cabinets shall be ¾" thick.
3. All fixed shelves shall be rabbeted ¼" into the ends & divisions and be glued. Where fixed shelves align on opposite sides of a division, they shall be installed with ⅜ø dowels which go thru the division & extend 1" min into each shelf, and be rabbeted as specified above.





• CABINET DETAILS •
Scale 3"=1'-0"

Unless otherwise noted all vertical rails shall be 2⅛"
(A) - Adjustable shelves - ¾" thick unless noted otherwise.

ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK. EXCEPT THOSE HAVING METAL CLIP. 24/14 AT TOP.

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BOOK STORAGE & WORK RMS.
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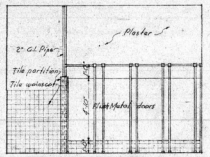
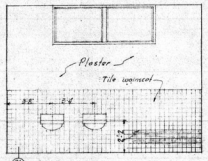
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 2-15-51

SHEET IS 11
OF 37 SHEETS



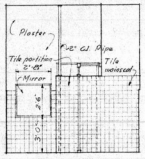
ELEVATION (12/1)



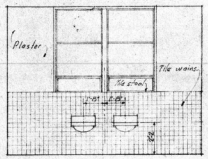
ELEVATION (12/2)

GIRL'S TOILET RM.

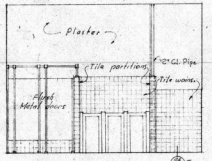
¼" = 1'-0



ELEVATION (12/3)



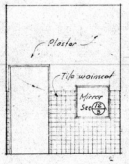
ELEVATION (12/4)



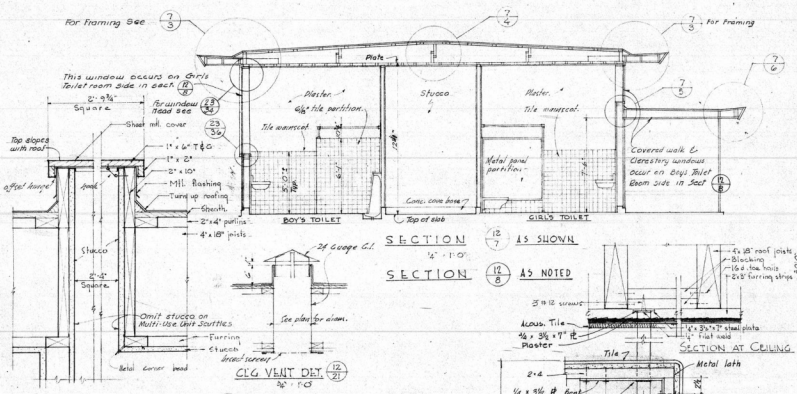
ELEVATION (12/5)

BOY'S TOILET RM.

¼" = 1'-0



ELEVATION (12/6)

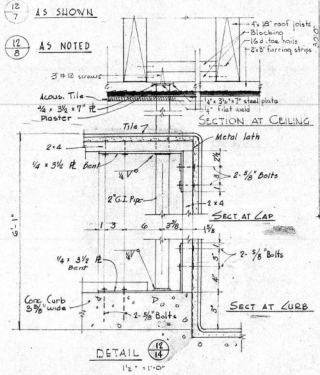


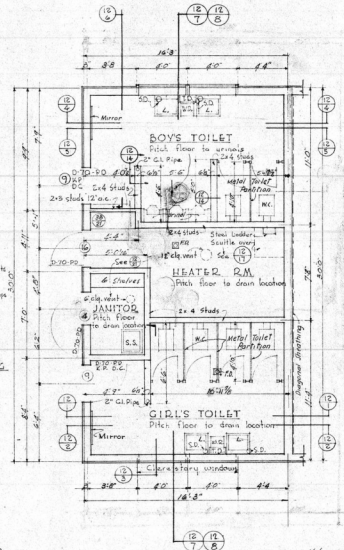
SECTION (12/7) AS SHOWN

SECTION (12/8) AS NOTED

SECTION THRU SCUTTLE (12/17)

1½" = 1'-0





FLOOR PLAN (12/7) (12/8)

¼" = 1'-0

TOILET UNIT

Notes: Except as otherwise noted all interior partitions shall be 2"x4" studs, 16" O.C. and exterior walls shall be 2"x6" studs @ 16" o.c. minimum for structural parts.

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TOILET UNIT

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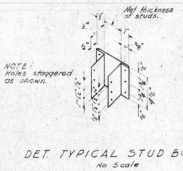
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

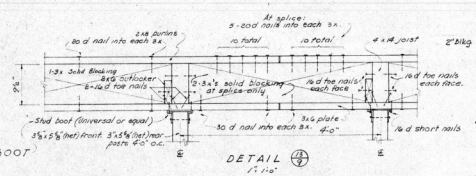
DATE 2-15-51

SHEET № 12

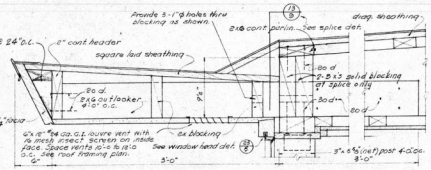
OF 87 SHEETS



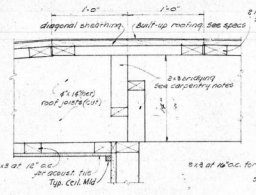
DET. TYPICAL STUD BOOT
no scale



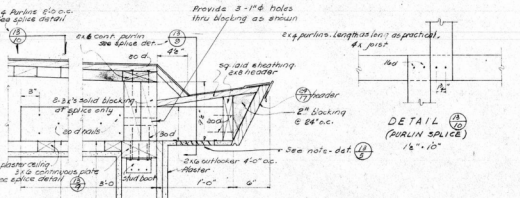
DETAIL 9/1
1" = 1'-0"

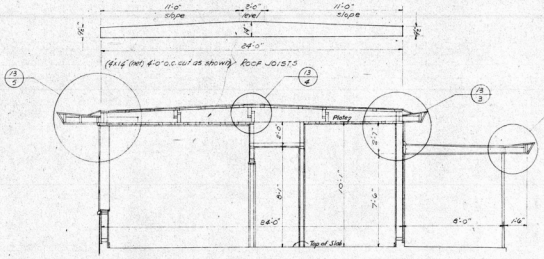


DETAIL 9/4
1/2" = 1'-0"

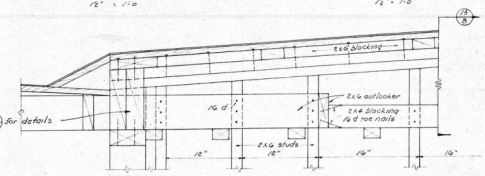


DETAIL 9/3
1/2" = 1'-0"

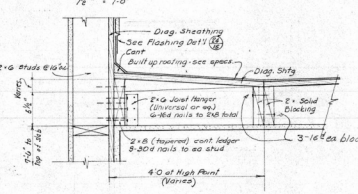




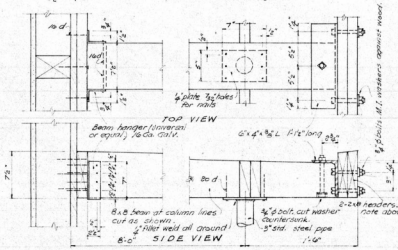
SECTION 13/1
1/2" = 1'-0"

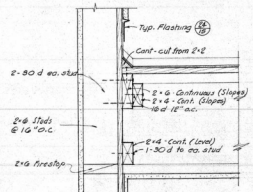


DETAIL 13/6
1/2" = 1'-0"

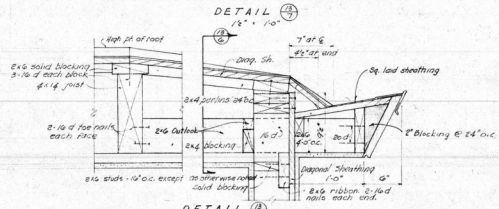


DETAIL 13/10

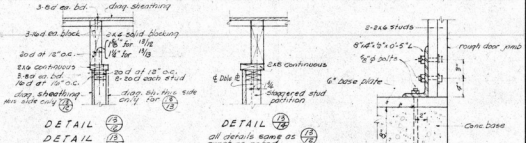




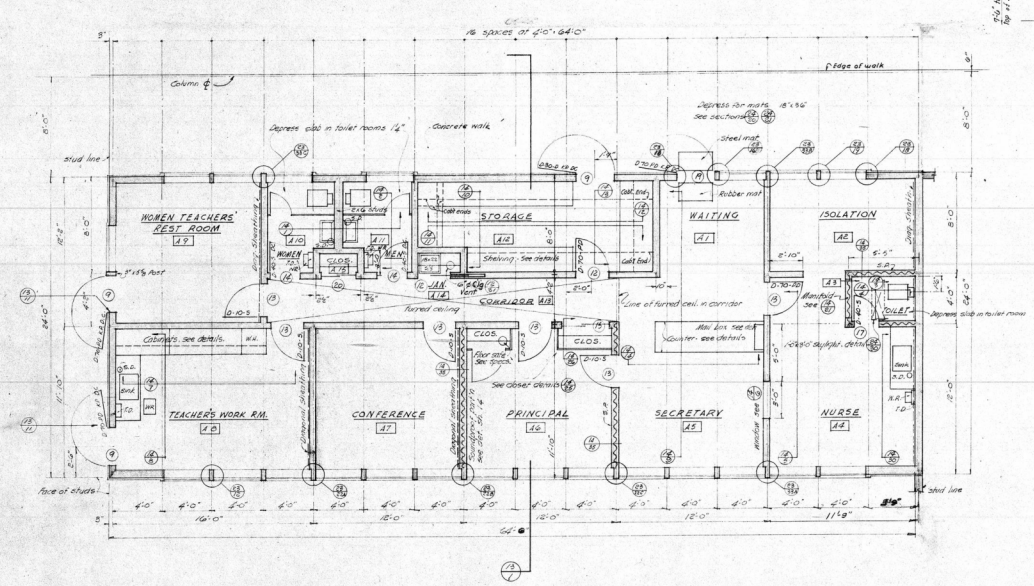
DETAIL 13/10
1½" = 1'-0"



DETAIL 9/8
1/2" = 1'-0"



DETAIL (no noted) 12/8
3/4" = 1'-0"
DETAIL 12/8
all details same as except as noted.
3/4" = 1'-0"
DETAIL 12/7
1/2" = 1'-0"



FLOOR PLAN
1/4" = 1'-0"

NOTE: Studs for all interior partitions shall be 2x4 @ 16" o.c. except as otherwise noted. For basement partitions see Sheet 19. Studs for exterior partitions & bearing or structural posts shall be 2x6 studs at 16" o.c.

NOTE
WHERE PERFORATED GYPSUM LATH IS INSTALLED ON SHEATHING, IT SHALL BE FURRED OUT ON CONTINUOUS WOOD LATH SPACED AT 16" O.C. MAX.

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ARCHITECT
ENGINEER

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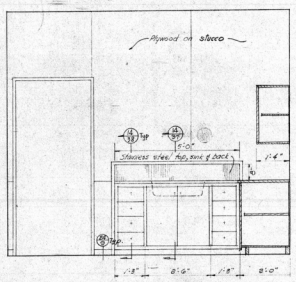
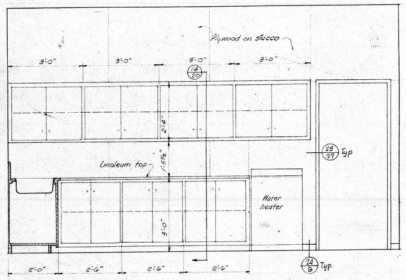
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 2-15-61

SHEET 17
13
OF 31 SHEETS

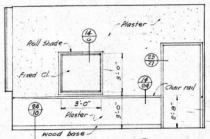


ELEVATION 4/8

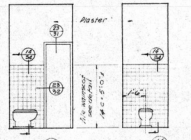


ELEVATION 4/7

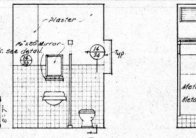
TEACHERS WORK ROOM
Scale 1/2" = 1'-0"



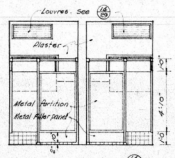
ELEVATION 4/9
NURSE'S ROOM
scale 1/4" = 1'-0"



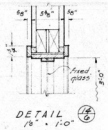
ELEV. 4/9 ELEV. 4/9
NURSE'S TOILET ROOM
Scale 1/4" = 1'-0"



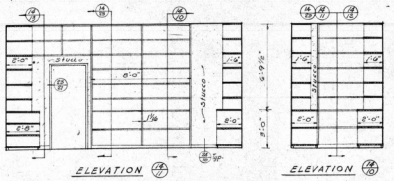
ELEVATION 4/9
FACTY MEN'S TOILET RM.
(FACTY WOMEN'S TOILET RM. SIMILAR)
scale: 1/4" = 1'-0"



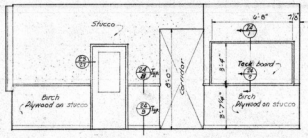
ELEVATION 4/7
FACULTY TOILET ROOMS
scale 1/4" = 1'-0"



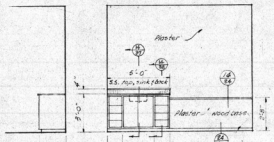
DETAIL 1/8" = 1'-0" 4/6



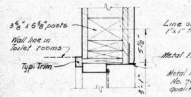
ELEVATION 4/7 ELEVATION 4/10



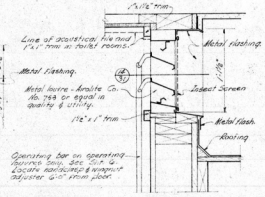
ELEVATION 4/6
SECRETARY & WAITING ROOM
Scale 1/4" = 1'-0"



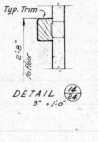
SIDE ELEVATION ELEVATION 4/36
NURSE'S ROOM
scale 1/4" = 1'-0"



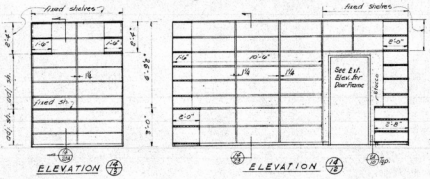
LOUVRE JAMB DETAIL 4/11
1/2" = 1'-0"



LOUVRE DETAIL 4/26
1/2" = 1'-0"

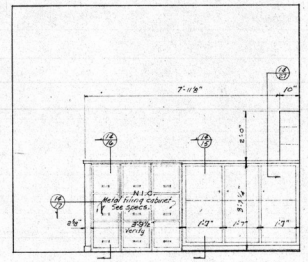


DETAIL 4/24
3" = 1'-0"

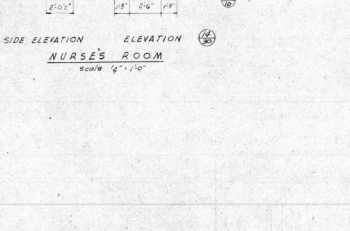


ELEVATION 4/7 ELEVATION 4/9

STORAGE ROOM
scale 1/4" = 1'-0"

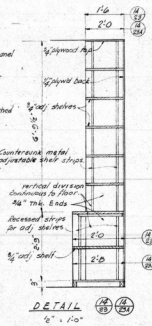


ELEVATION 4/9
scale 1/4" = 1'-0"

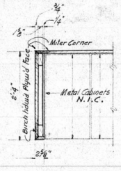


MANIFOLD CABINET DETAIL 4/27
1/2" = 1'-0"

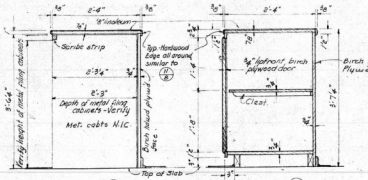
Note!
Securely attach all cabinets to surrounding framework.



DETAIL 4/28 4/24
1/2" = 1'-0"



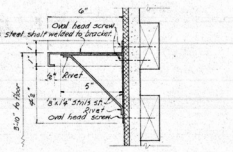
DETAIL 4/27
3/4" = 1'-0"



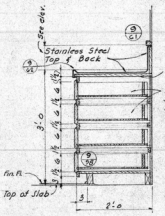
DETAIL 4/29 DETAIL 4/28
3/4" = 1'-0"

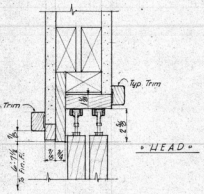
NOTE: UNLESS SHOWN OR NOTED OTHERWISE THE FOLLOWING NOTES SHALL APPLY TO ALL CABINETS:

1. DIVISIONS WHICH HAVE ADJUSTABLE SHELVES ON BOTH SIDES SHALL BE 1" NET MIN. THICKNESS.
2. ALL OTHER ENDS & DIVISIONS OF CABTS. SHALL BE 3/4" THK.
3. ALL FIXED SHELVES SHALL BE RABBETED 1/2" INTO THE ENDS & DIVISIONS AND BE GLUED. WHERE FIXED SHELVES ALIGN ON OPPOSITE SIDES OF A DIVISION, THEY SHALL BE INSTALLED WITH 3/8" DOWELS WHICH GO THRU THE DIVISION & EXTEND 1" MIN. INTO EA. SHELF, AND BE RABBETED AS SPECIFIED ABOVE.

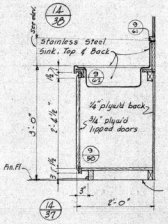


DETAIL - METAL SHELF IN FACULTY TOILET RMS. 14/33
3" = 1'-0"

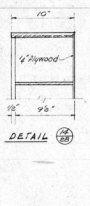




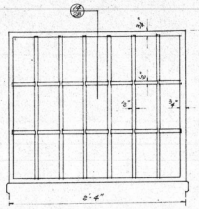
SLIDING DOOR DETAIL 14/36
Scale 3" = 1'-0"



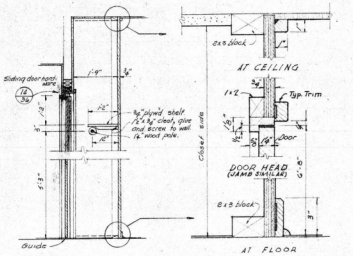
14/37



DETAIL 14/28

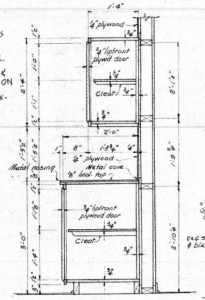


MAIL BOX DETAIL 14/27
1/2" = 1'-0"

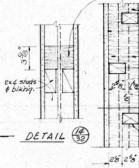


SECTION 4/26
1/2" = 1'-0"

CLOSET DETAILS (SWINGING DOOR) 14/15
3" = 1'-0"

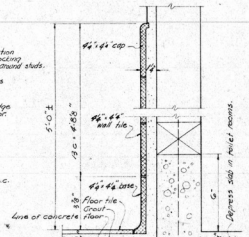


DETAIL 4/26
3/4" = 1'-0"



DETAIL 4/26

TYPICAL PLAN DETAIL OF SOUNDPROOF PARTITION (see plan for locations) 14/35
1/2" = 1'-0"



DETAIL - TILE WAINSCOT 14/34
3" = 1'-0"

ADMINISTRATION UNIT DETAILS

MEADOW HOMES SCHOOL

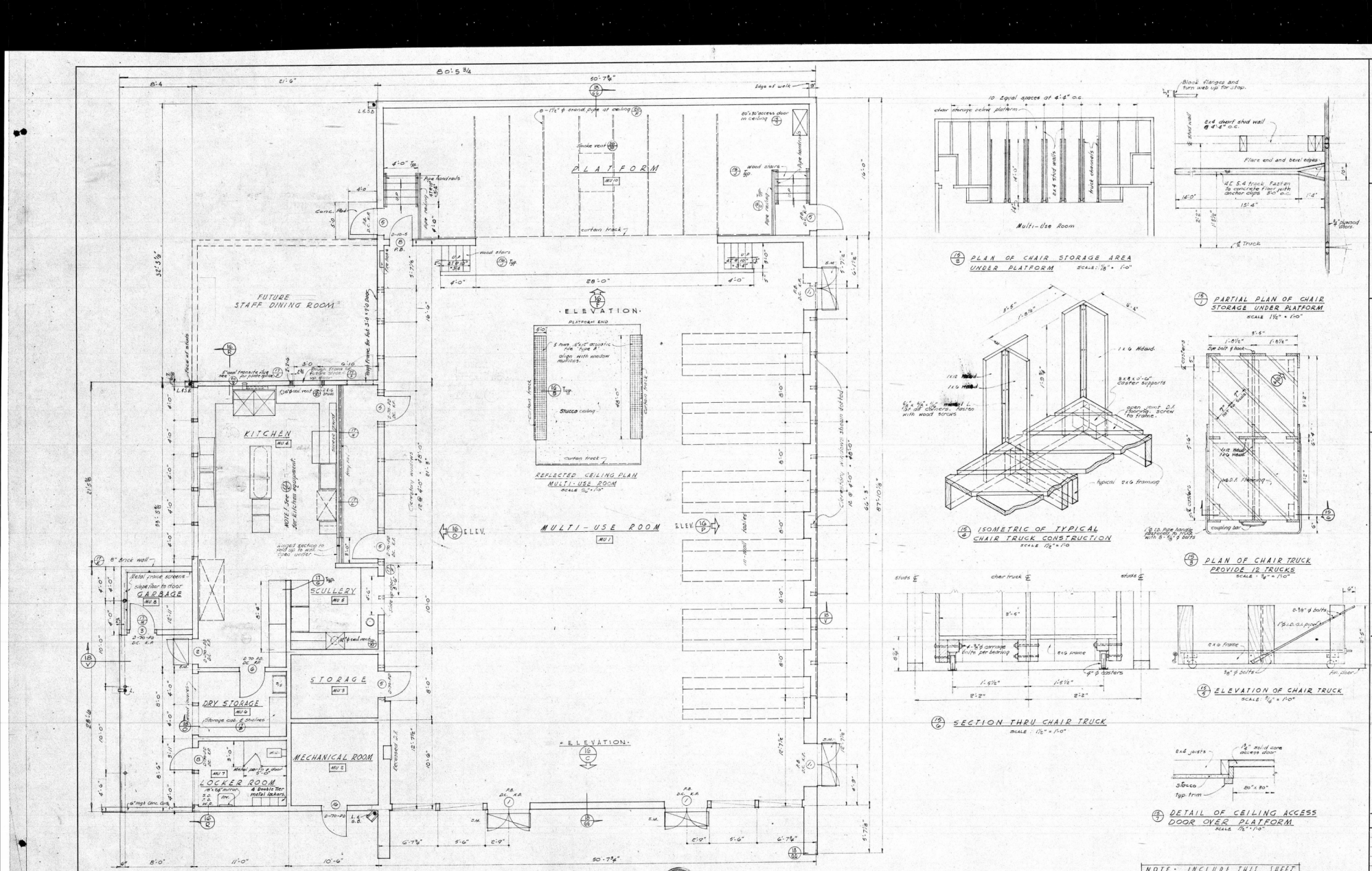
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

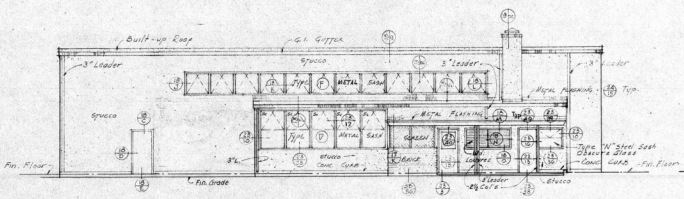
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
HOOPER & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

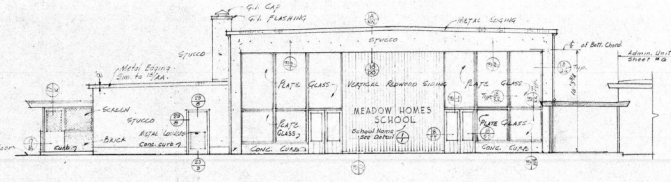
FILE 50-10-T
DATE 2-15-61

SHEET 13
14
OF 87 SHEETS

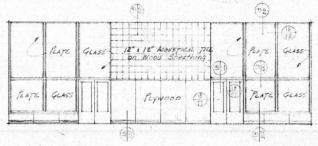

PLATFORM
FUTURE STAFF DINING ROOM
KITCHEN
CARGAGE
SCULLERY
STORAGE
DRY STORAGE
MECHANICAL ROOM
LOCKER ROOM
MULTI-USE ROOM
ELEVATION
REFLECTED CEILING PLAN MULTI-USE ROOM
FLOOR PLAN
Edge of walk
curtain track
Smoke vent
wood stairs
Pipe handrails
Pipe railing
Concr. Pad
Stucco ceiling
Metal toilet screens
Metal partition & door
Storage cab. & shelves
Counter
Cabinet
Refrigerator
Range
Sink
Dishwasher
Steam table
Hood & exhaust
Mop sink
Lockers
Benches
Drinking Fountain
Telephone
Fire hose
Fire extinguisher
Roof drain
Overflow scupper
Roof hatch
Roof frame, See det. 3/4 + 1/2 Diag.
Rough frame for Exhaust Grille - up thru roof
Gas & vent
Cold & hot water
Floor drain
Clothes rod
Shelf
Hook
Mirror
Towel dispenser
Soap dispenser
Paper holder
Waste receptacle
Coat hook
Curtain track
Acoustical tile
Exposed beam
Pipe column
Concrete wall
Concrete curb
Concrete floor
Slope floor
Finish floor
Top of curb
Top of wall
Face of studs
Edge of roof
Edge of slab
Edge of concrete
Edge of asphalt
Edge of planting
Edge of pavement
Edge of gravel
Edge of water
Edge of grass
Edge of shrubs
Edge of trees
Edge of fence
Edge of gate
Edge of door
Edge of window
Edge of opening
Edge of curb
Edge of wall
Edge of floor
Edge of ceiling



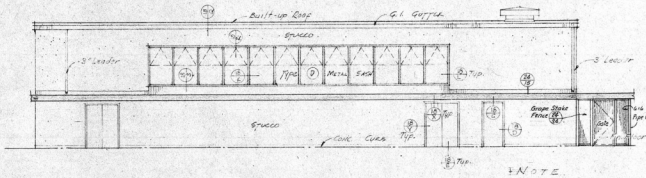
EAST ELEVATION - MULTI-USE UNIT (16/A)



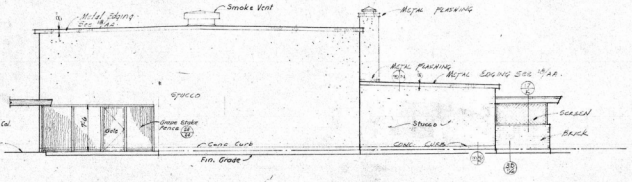
NORTH ELEVATION - MULTI-USE UNIT (16/B)



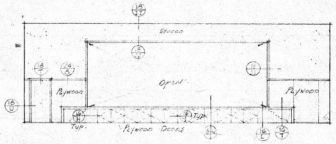
NORTH INTERIOR ELEVATION FRONT MULTI-USE ROOM (16/C)



WEST ELEVATION - MULTI-USE UNIT (16/D)



SOUTH ELEVATION - MULTI-USE UNIT (16/E)



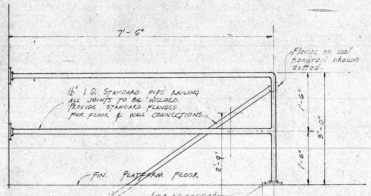
SOUTH INTERIOR ELEVATION PLATFORM MULTI-USE ROOM (4/F)

EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

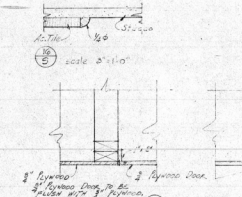
NOTE I Sc = Screen

NOTE
Door and window wrought detail references shown as "Typical" shall apply to every respective condition for all doors & windows in all rooms on that particular elevation, unless specifically noted otherwise, etc.



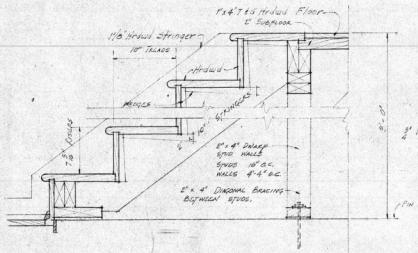
PIPE RAIL AT REAR PLATFORM STAIRS (16/G)

SCALE: 1/2" = 1'-0"



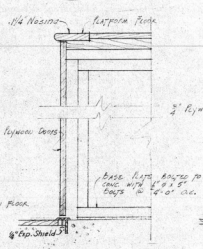
DOOR JAMB (16/H) SCALE: 1½" = 1'-0"

DOOR MULLION (16/I)

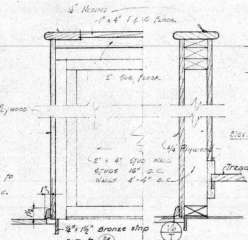


SECTION THRU STAIRS (16/J)

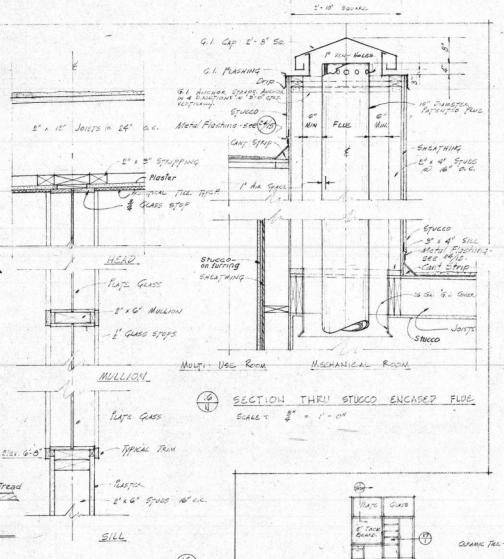
SCALE: 1½" = 1'-0"



SECTION UNDER PLATFORM (16/K)



SECTION FRONT OF PLATFORM (16/L)

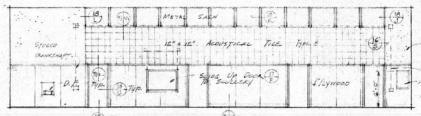


SECTION THRU WINDOW BETWEEN KITCHEN AND SCULLERY (16/M)

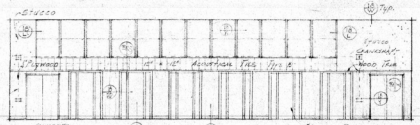
SCALE: 3/4" = 1'-0"

SECTION THRU STUCCO ENCASED FLUE (16/N)

SCALE: 3/8" = 1'-0"



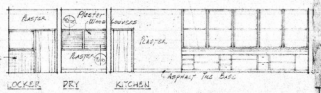
INTERIOR ELEVATION EAST SIDE MULTI-USE ROOM (16/O)



WEST INTERIOR ELEVATION - MULTI-USE ROOM (16/P)

See (7/I)

DESK & CABINET IN KITCHEN (16/Q)



EAST INTERIOR ELEVATION KITCHEN (16/R)

INTERIOR ELEVATIONS

SCALE: 3/8" = 1'-0"

NOTE - INCLUDE THIS SHEET IN ALT. #1

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONNER & WILES
REYNOLDS & CHELAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

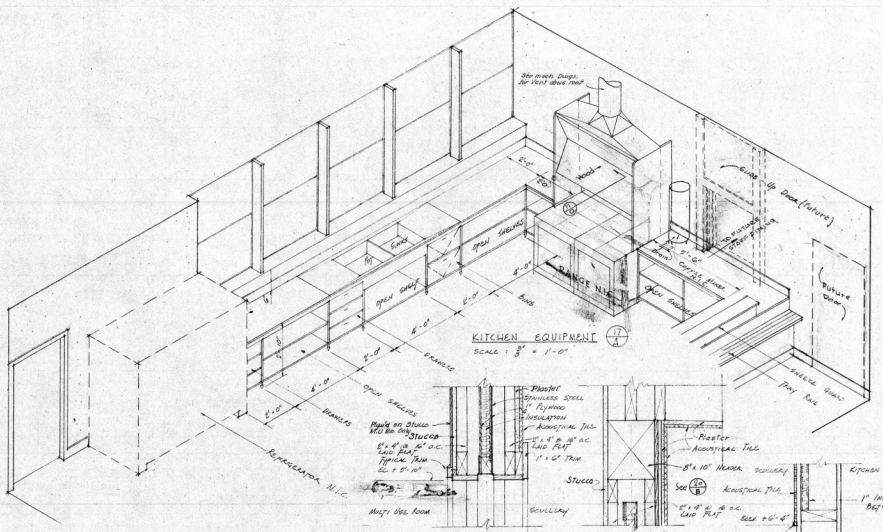
MULTI-USE UNIT EXTERIOR & INTERIOR ELEVATIONS

MEADOW HOMES SCHOOL

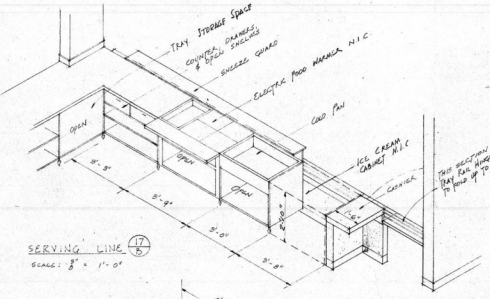
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

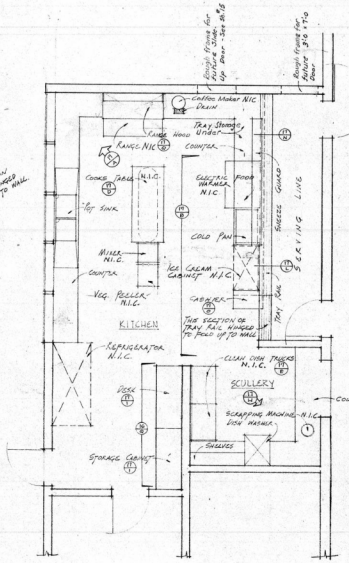
FILE 50-10-T
DATE 2-15-51
SHEET 20 16 OF 37 SHEETS



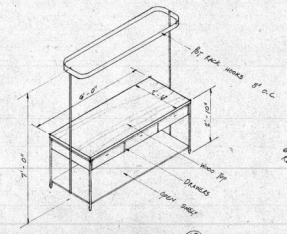
KITCHEN EQUIPMENT (17/A)
SCALE: 3/8" = 1'-0"



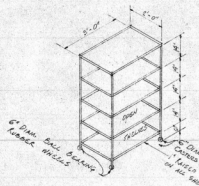
SERVING LINE (17/B)
SCALE: 3/8" = 1'-0"



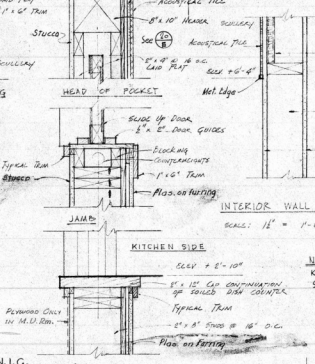
KITCHEN EQUIPMENT PLAN (17/C)
SCALE: 1/4" = 1'-0"



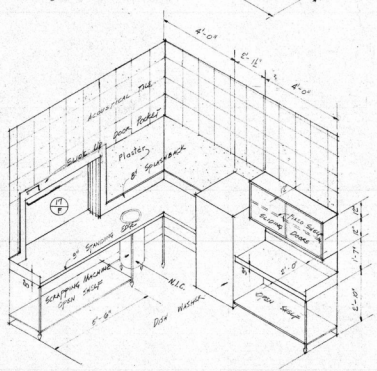
COOKS TABLE (17/D)
SCALE: 3/8" = 1'-0"



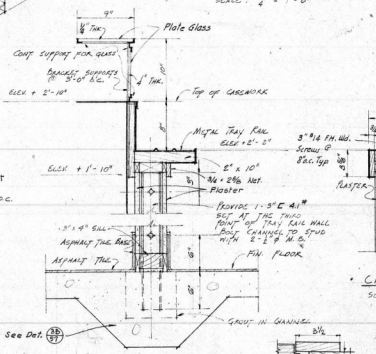
CLEAN DISH TRUCK (17/E) N.I.C.
SCALE: 3/8" = 1'-0"
(PROVIDE 2)



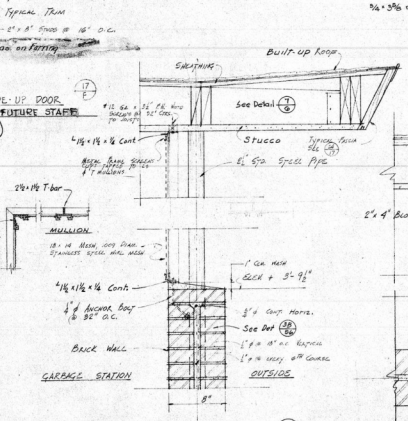
INTERIOR WALL AT SCULLERY (17/G)
SCALE: 1 1/2" = 1'-0"



SCULLERY (17/H)
SCALE: 3/8" = 1'-0"



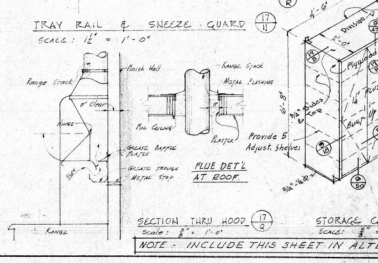
CASHIER'S COUNTER (17/O)
SCALE: 1/2" = 1'-0"



SECTION THRU GARAGE STATION SCREEN (17/K)

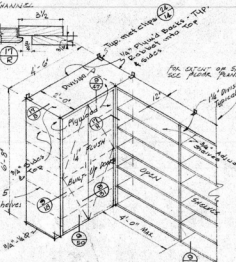
TRAY RAIL (17/L)
SCALE: 1 1/2" = 1'-0"

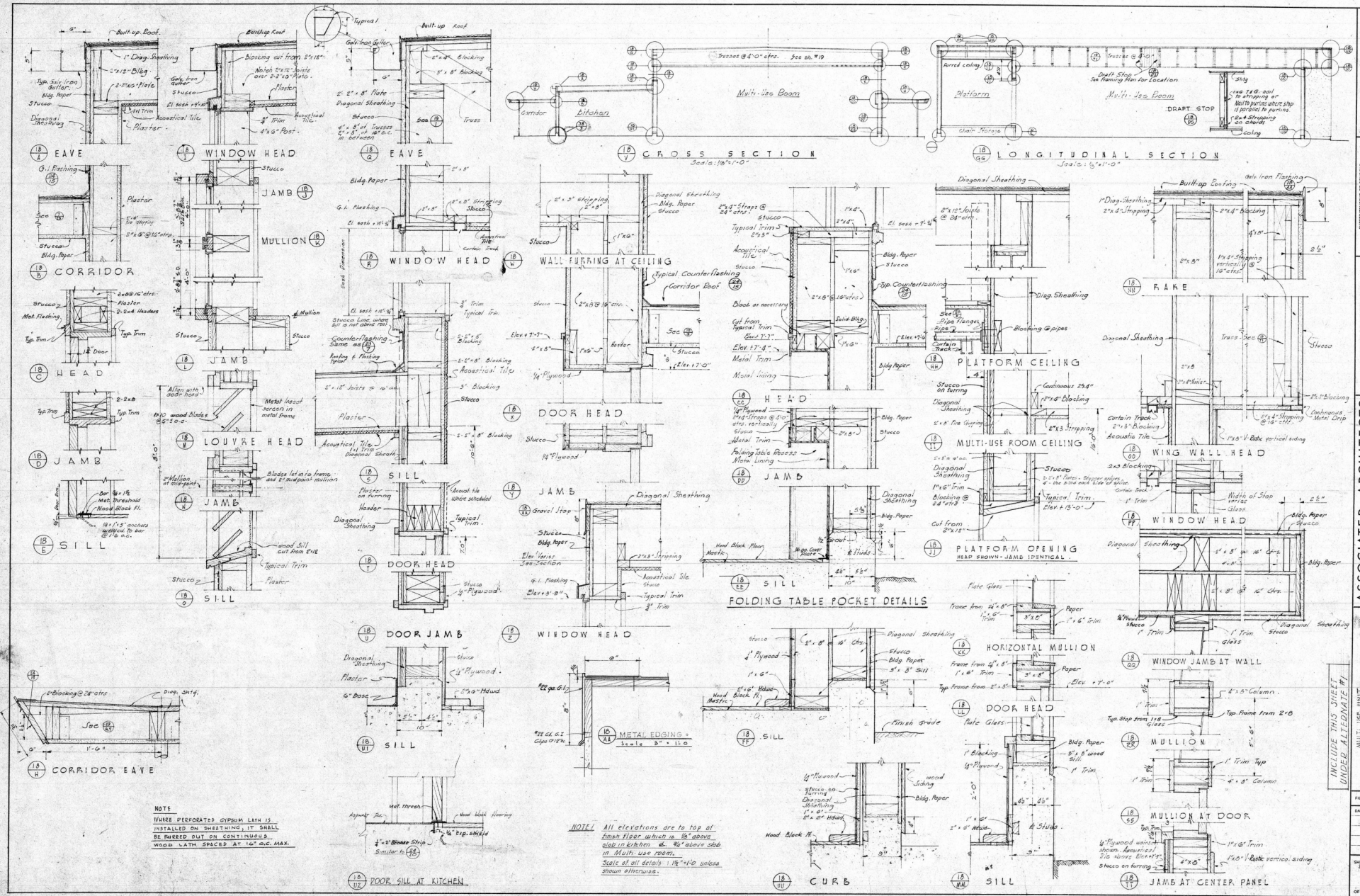
SCREEN DOOR DETAIL (17/M)

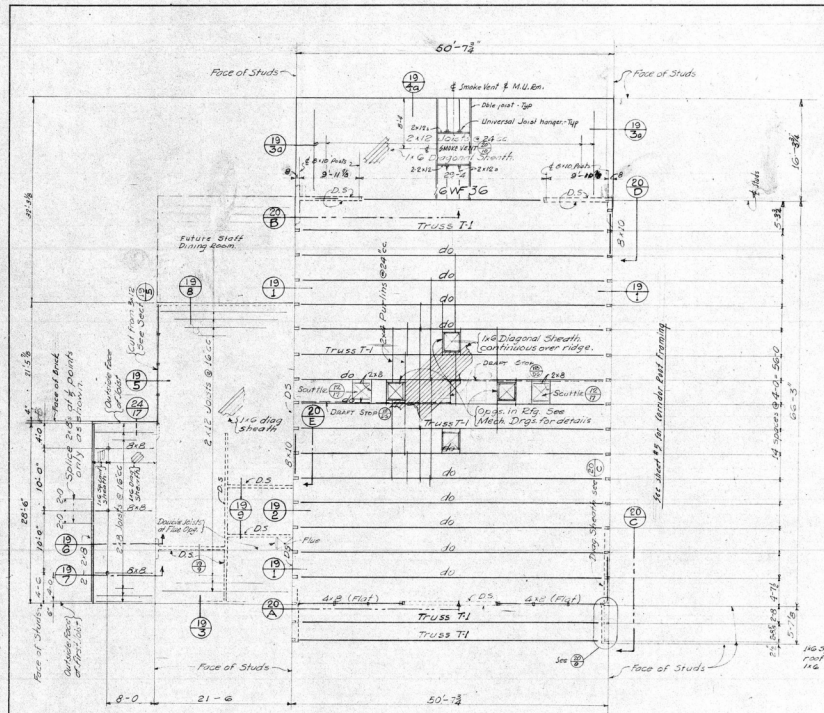


TRAY RAIL & SNEEZE GUARD (17/N)
SCALE: 1 1/2" = 1'-0"

SECTION THRU HOOD (17/Q)
SCALE: 3/8" = 1'-0"


Top met clips Typ.
1/8 Plastic Backs Typ. Hard Surface
Plastic
Plywood
Open
Shelves
Adjust. Shelves
Brkt.
Typ.
Adjust. Shelves
Open
Open
Open
Open
Open
Open

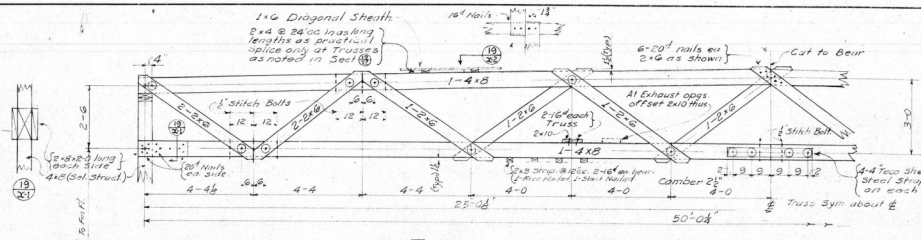

EAVE
WINDOW HEAD
EAVE
CROSS SECTION
Scale: 1/8"=1'-0"
LONGITUDINAL SECTION
Scale: 1/8"=1'-0"
CORRIDOR
JAMB
MULLION
WINDOW HEAD
WALL FURRING AT CEILING
HEAD
JAMB
LOUVRE HEAD
SILL
DOOR HEAD
SILL
JAMB
DOOR HEAD
SILL
FOLDING TABLE POCKET DETAILS
PLATFORM CEILING
MULTI-USE ROOM CEILING
JAMB
PLATFORM OPENING
HEAD SHOWN - JAMB IDENTICAL
SILL
RAKE
WING WALL HEAD
WINDOW HEAD
WINDOW JAMB AT WALL
MULLION
MULLION AT DOOR
JAMB AT CENTER PANEL
DOOR JAMB
SILL
WINDOW HEAD
METAL EDGING
Scale 3" = 1'-0
CORRIDOR EAVE
DOOR SILL AT KITCHEN
HORIZONTAL MULLION
DOOR HEAD
SILL
CURB
SILL
NOTE
WHERE PERFORATED GYPSUM LATH IS INSTALLED ON SHEATHING, IT SHALL BE FURRED OUT ON CONTINUOUS WOOD LATH SPACED AT 16" O.C. MAX.
NOTE! All elevations are to top of finish floor which is 1/8" above slab in kitchen & 4½" above slab in Multi-use room.
Scale of all details: 1½"=1'-0 unless shown otherwise.
INCLUDE THIS SHEET UNDER ALTERNATE #1
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDER & HALLEBLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT
ENGINEER
MULT. USE UNIT
ARCHITECTURAL DETAILS
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
FILE 50-10-T
DATE 2-15-51
SHEET 22
18
OF 37 SHEETS



ROOF FRAMING

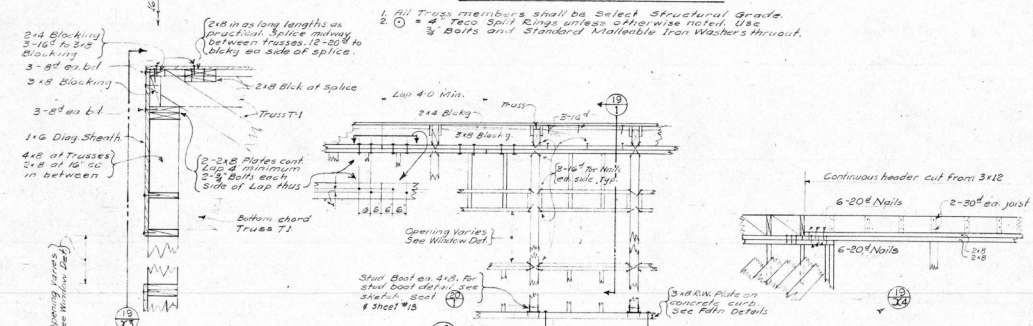
1/8"=1'-0"

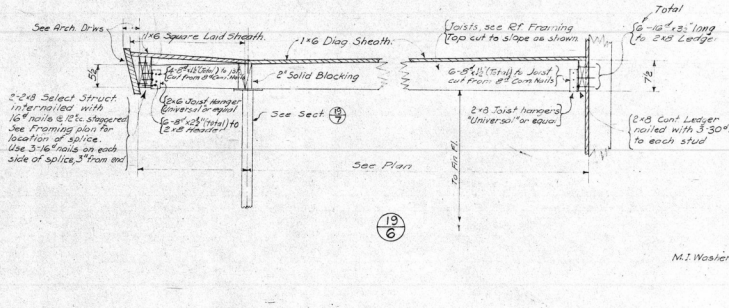
1. See General Notes.
2. All exterior walls shall be diagonally sheathed.
3. Interior partitions requiring diagonal sheathing are shown hereon and are marked D.S. The arrow shows the side to be sheathed.

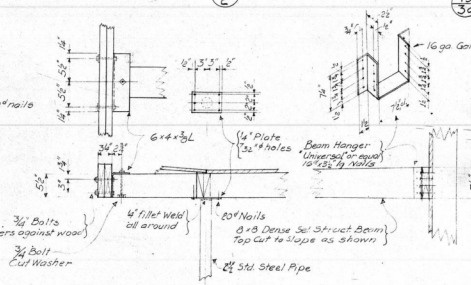


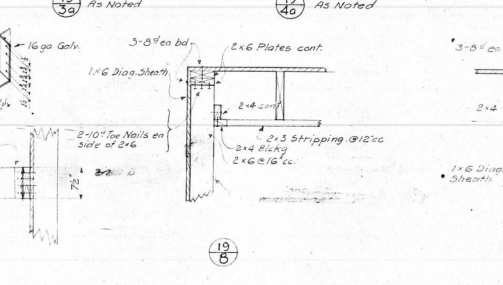
TRUSS T-1 (1/4"=1'-0")

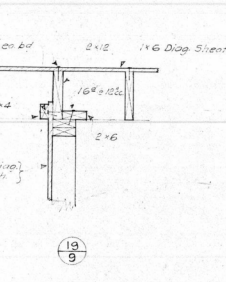
1. All Truss members shall be Select Structural Grade.
2. ⊙ = 4" Teco Split Rings unless otherwise noted. Use 3/4" Bolts and Standard Malleable Iron Washers thruout.











NOTES

1. See General Notes.
2. Details on this sheet show structural features only.
3. For dimensions not shown, eave details, flashing, roof slopes, finish etc. See other drawings.

INCLUDE THIS SHEET UNDER ALTERNATE #1

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8731

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3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

MULTI-USE UNIT
ROOF FRAMING-STRUCT. DETAILS

MEADOW HOMES
SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

DATE 2-15-51

SHEET 19 OF 37 SHEETS

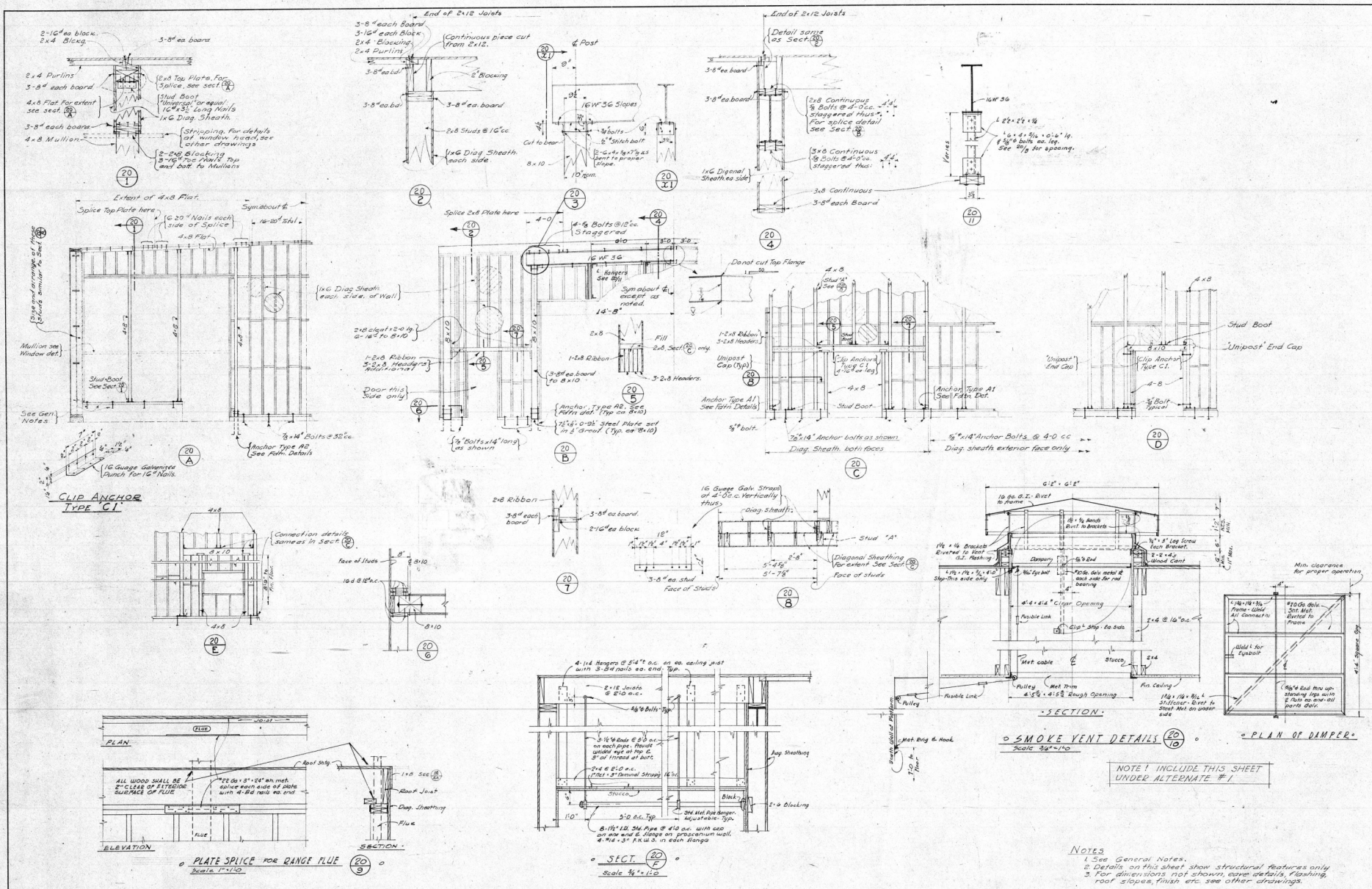

PLATE SPLICE FOR RANGE FLUE (20/9)
Scale 1"=1'-0

SECT. (20/F)
Scale ¾"=1'-0

SMOKE VENT DETAILS (20/10)
Scale ¾"=1'-0

PLAN OF DAMPER

ASSOCIATED ARCHITECTS
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JOHN LYON REID
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ENGINEER

MULTI-USE UNIT
STRUCTURAL DETAILS
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

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SUPERINTENDENT OF SCHOOLS

FILE 50-10-T
DATE 2-15-51

SHEET 24 OF 37 SHEETS
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GENERAL NOTES

Applying to all Structural Features unless greater requirements are shown or noted elsewhere.

1. **REFERENCE TO OTHER DRAWINGS.**
   (a) See Architectural Drawings for: Kinds of floor finish and their location; depressions in floor slabs; openings in walls and floors required by doors, windows, ducts, vents, plumbing, etc.; all types of flashing, inserts, anchorage, hangers, etc., embedded in or attached to the concrete structure; roadway paving, walks, stairs, ramps, curb walls, terraces, etc.; exterior grades; elevations of sloping roof surfaces and location of drains, etc.

2. **DIMENSIONS.**
   (a) Dimensions unless otherwise noted are to rough concrete surfaces.

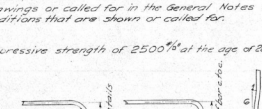
3. **DISCREPANCIES.**
   (a) The Contractor shall compare the Structural Drawings with the Architectural Drawings as to layout, dimensions and elevations. All discrepancies, if any, shall be reported to the Architect for proper adjustment before proceeding with the work.

4. **SPECIFICATIONS.**
   (a) The Specifications shall govern where information is not given in these General Notes or on the drawings.

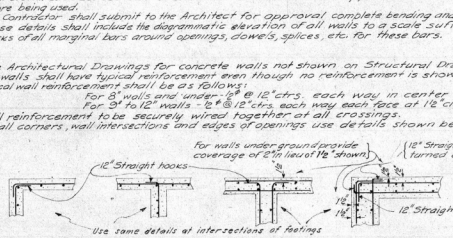
5. **OMISSIONS.**
   (a) In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.

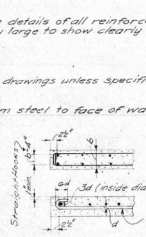
6. **CONCRETE.**
   (a) Design working stresses for concrete are based on an assumed ultimate compressive strength of 2500 #/□" at the age of 28 days.
   (b) See "Specifications" for specific requirements as to Concrete.

7. **STEEL REINFORCEMENT**
   (a) Use Structural Grade steel. Intermediate Grade Steel may be used if it complies with bend and elongation requirements for Structural Grade Steel.
   (b) All reinforcing bars to be deformed bars complying with A.S.T.M. spec. A-305-49. Bars ½" and smaller may be plain bars.
   (c) All reinforcement shall be continuous. Laps at splices shall be at least 48 bar diameters.
   (d) Standard hooks and offsets to be as shown here unless otherwise detailed on drawings.
   (e) Suitable devices of some standard manufacture shall be used to hold reinforcement in its true horizontal and vertical positions. These devices shall be of a CONTINUOUS TYPE sufficiently rigid and numerous to avoid displacement of the reinforcement during the placing of the concrete. All such devices shall be submitted to and receive the approval of the Architect before being used.
   (f) The Contractor shall submit to the Architect for approval complete bending and placing details of all reinforcement for this work. These details shall include the diagrammatic elevation of all walls to a scale sufficiently large to show clearly the position and erection marks of all marginal bars around openings, dowels, splices, etc. for these bars.



8. **WALLS.**
   (a) See Architectural Drawings for concrete walls not shown on Structural Drawings.
   (b) All walls shall have typical reinforcement even though no reinforcement is shown on the drawings unless specifically noted "Not Reinforced" Typical wall reinforcement shall be as follows:
   For 8" walls and under: ½" @ 12" ctrs. each way in center of wall.
   For 9" to 12" walls: ½" @ 12" ctrs. each way each face at 12" clear from steel to face of wall.
   (c) Wall reinforcement to be securely wired together at all crossings.
   (d) At all corners, wall intersections and edges of openings use details shown below:



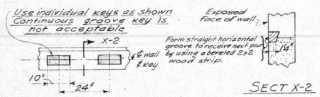


   (e) Around all edges of openings use following marginal bars:
   2-½" for walls 8" thick and under.
   2-⅝" for walls over 8" thick.
   Project these bars 2'-6" beyond all corners; use standard circular hook when projection of 2'-6" is impossible.

9. **DOWELS.**
   (a) At junctions of walls and footings with slabs resting on ground use ½" dowels at 18" ctrs. projecting 2'-0" into slab from inside face of wall or footing. Project dowels to 2" from outer face of wall or footing and terminate in 12" straight hook.

10. **SLABS ON GROUND.**
    (a) See Typical Details on next sheet for various slabs on ground. At wall and footing provide dowels as noted in Paragraph 9a.

11. **CONSTRUCTION JOINTS**
    (a) For construction joints in General, see Specifications.
    (b) Use following procedure for construction joints:
    While the surface of concrete at construction joint is still soft, provide keys at 32" ctrs. 1" deep x 4" long x 4" wide for 6" and 8" walls; 1" deep x 10" long x 6" wide for walls 10" thick. and over. In addition the entire surfaces of construction joints shall be thoroughly roughened with suitable mechanical tool within 48 hours after pour. Just prior to depositing of new concrete, the surface of construction joint shall be thoroughly cleaned and wetted and a coat of 1:2 cement mortar shall be slushed on the surface.



SECT X-2

12. **FOUNDATIONS**
    (a) Except where otherwise shown excavation shall be made as near as possible to the neat lines required by the size and shape of the structure. No unnecessary material is to be excavated. See Foundation Plan for additional Data.
    (b) Walls against which backfill is placed shall be adequately shored until construction bracing the walls has been erected and has attained its strength. Backfill shall be placed in layers not exceeding 6" in depth. Each layer shall be moistened as directed, and thoroughly compacted prior to placing the next layer. See Specifications.

13. **STRUCTURAL STEEL**
    (a) All struct. steel shall conform to the A.I.S.C. Spec. for Design, Fabricat. & Erection of Struct. Steel for Bldgs., 5th edition 1946 and Title 8 (formerly Appendix A) of dept of Public Works, State of Calif. The Struct. Steel shall conform to the Spec of the A.S.T.M. for Steel for Bridges & Bldg. Str. Desig. A7-46 as amended to date. For Pipe Columns, see Specifications (Grade B).
    The Contractor shall submit for approval to the Architect a complete set of shop drawings.
    (b) Paint. See Specifications.

TYP. COL.

14. **CARPENTRY**
    (a) Joists. Provide: Full bearing at all supports. Lap joists 9" min over supports wherever possible. 2" Solid Blocking at supports, and under partitions at right angles to joists. 2x3 Crossbridging at midspan for spans 8 ft. to 16 ft., for greater spans Spacing of bridging shall not exceed 8'-0". Omit crossbridging for roof and ceiling joists 8 inches and under in depth. Double joists under all partitions parallel to joists.

    (b) Partitions. 3" Redwood
    Use single bottom plate and double top plate; stagger joints in upper and lower members of top plate not less than four feet. Provide one row of solid herringbone bridging 3T mid-height except that at gable ends and partitions higher than 15 ft. provide two rows. Bolt plates to concrete with ⅝" bolts spaced @ 4'-0" cc. See "Typical Detail of Bolting wood plate to concrete," Sheet 22

    (c) Sheathing.
    Diagonal Sheathing and subfloor shall be laid diagonally at an angle of 45° to joist or studs. Boards shall be accurately cut to center of bearings. For Typical Splicing of diagonal sheathing in roofs and walls, see details on sheet 22.

    (d) Bolts.
    Bolt holes in wood shall be drilled net size of bolt. Bolt threads shall not bear on wood or steel. Use Standard Malleable Iron Washers against wood: 3½" dia x ⅛" thick for ⅝" bolts, 3" dia x ⅛" thick for ¾" bolts, 2¾ dia x ⅜" thick for ⅞" bolts, 2½" dia x ¼" thick for ¾" bolts.

    (e) Nailing Schedule.
    All wood members thruout shall be connected together with nailing listed in this schedule unless a greater number of nails is shown or called for elsewhere on drawings. All nails shall be common wire nails. Wherever the nailing specified tends to split the wood, holes for nails shall be sub-bored. Split members shall be taken out and replaced.

Lapped joists	4-16d Nails	Crossbridging between joists	2-8d toe nails ea. end
Joists, Rafters or Trusses at all Bearings	2-16d toe nails each side	Herringbone Blocking	2-10d ea. end
Studs to bearings	2-10d " " "	Double Top Plates	
Blocking between joist rafters or trusses		Lower plate to top of stud	2-20d nails
to joist rafter or truss	2-16d toe nails ea side ea end	Upper to lower plate	16d @ 16" cc.
to plate (on which joist rests)	2-16d toe nails ea side	Bottom Plate	
to wood girder (on which joist rests)	2-16d " " " "	To joists and blocking supporting partition	20d @ 16 cc.
Blocking to blocking	3-12d ea. block	Multiple Studs:	Inter nail with 16d @ 18 cc. (See details for stud arrangement on next sheet)
Continuous Headers to joists (2x8 & smaller)	2-20d	Laminated Joists	Inter nail with 16d @ 12 cc.
" " " " (2x10 & larger)	3-20d	Double Joists under Partitions	
Square laid Sheathing 1x6	2-8d at all bearings	where not blocked apart	16d @ 12" cc.
Square laid Sheathing 1x8	3-8d " " "	Where blocked apart (for piping)	2-20d at ea. blocked joist
Diagonal Sheathing. 1x6	3-8d at ends of all boards	Ribbons:	
	2-8d at intermediate bearings	2" nominal	2-16d ea. stud
Diagonal Sheathing. 1x8	4-8d at ends of all boards	1" nominal	2-8d ea. stud
	3-8d at intermediate bearings	Joists or Rafters to side of studs:	
2" nom.	2-16d at all bearings	For 8 joists or less	3-16d
2" Sheathing		For each additional 4" in depth of joist	1-16d
Furring Strips	2-16d Nails at ea. bearing 1 face nailed	1 Joint nailed	
Miscellaneous:	All 2" material shall be nailed with 2-16d and 1" material with 3-8d at each bearing. 2" material laid over sheathing shall be nailed with 30" nails.		

    (f) Wood Preservative.
    For preservative treatment of wood in contact with concrete and/or masonry or for wood within 2 feet of ground surface, see specifications.

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ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
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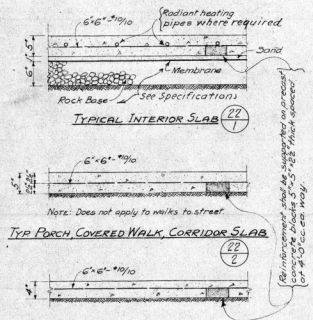
GENERAL NOTES.
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 2-15-51

SHEET 15 OF 57 SHEETS 21

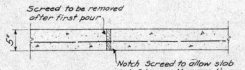


TYPICAL INTERIOR SLAB (22/1)

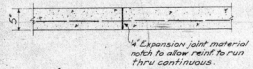
TYP PORCH, COVERED WALK, CORRIDOR SLAB (22/2)

Note: Does not apply to walks to street.

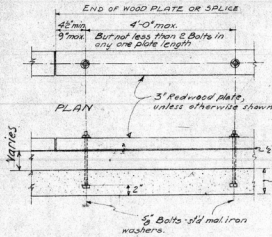
TYPICAL YARDS SLAB (22/3)



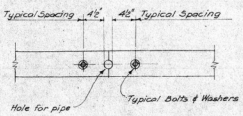
COLD JOINT DETAIL (22/4)



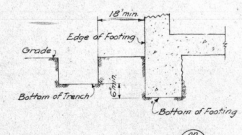
EXPANSION JOINT DETAIL (22/5)



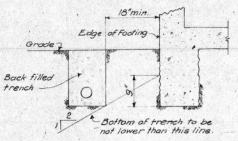
TYPICAL DETAIL OF BOLTING WOOD PLATE TO CONCRETE (22/6)



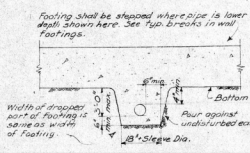
DETAIL OF SILL PLATE BOLTING FOR ALL WALLS WHERE O.D. OF PIPE EXCEEDS ⅓ OF NET STUD DIMENSION (22/7)



OPEN TRENCH (22/8)

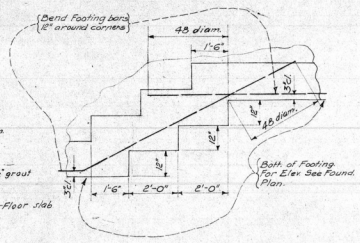


PIPE IN BACK FILLED TRENCH (22/9)

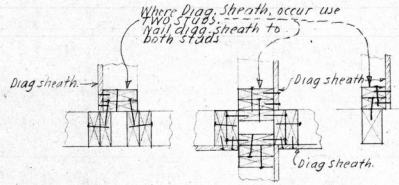


PIPE UNDER FOOTING (22/10)

TYPICAL DETAILS OF PIPES AND TRENCHES NEAR FOOTINGS.

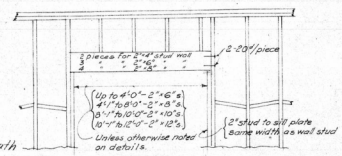


TYP BREAKS IN WALL FTGS (20/12)

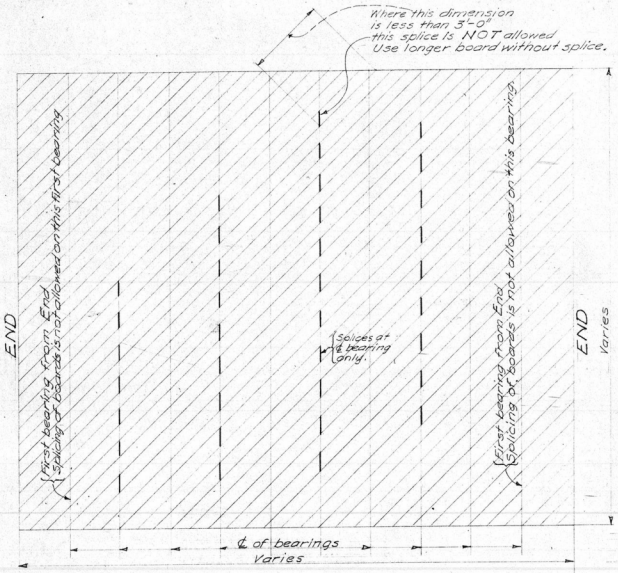


TYPICAL ARRANGEMET OF STUDS (22/12)

For Nailing see General Note 15(e) on sheet 21

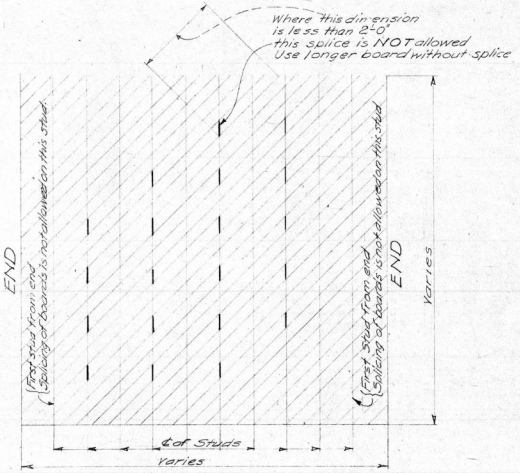


TYPICAL FRAMING AT OPENINGS (22/13)



TYPICAL SPLICING FOR ROOF DIAGONAL SHEATHING (22/14)

Boards shall preferably be in single lengths. Where boards are not in single lengths there shall be at least one bearing between splices in adjoining boards. For splices on the same bearing ther shall be at least one uncut board between splices.



TYPICAL SPLICING FOR WALL DIAGONAL SHEATHING (22/15)

Boards shall preferably be in single lengths. Where boards are not in single lengths, there shall be at least one bearing between splices in adjoining boards. For splices on the same stud there shall be at least two uncut boards between splices.

BOARD OF TRUSTEES

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WILLIS & CHAMBERLAIN
REYNOLDS & JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

TYPICAL STRUCTURAL DETAILS

MEADOW HOMES SCHOOL

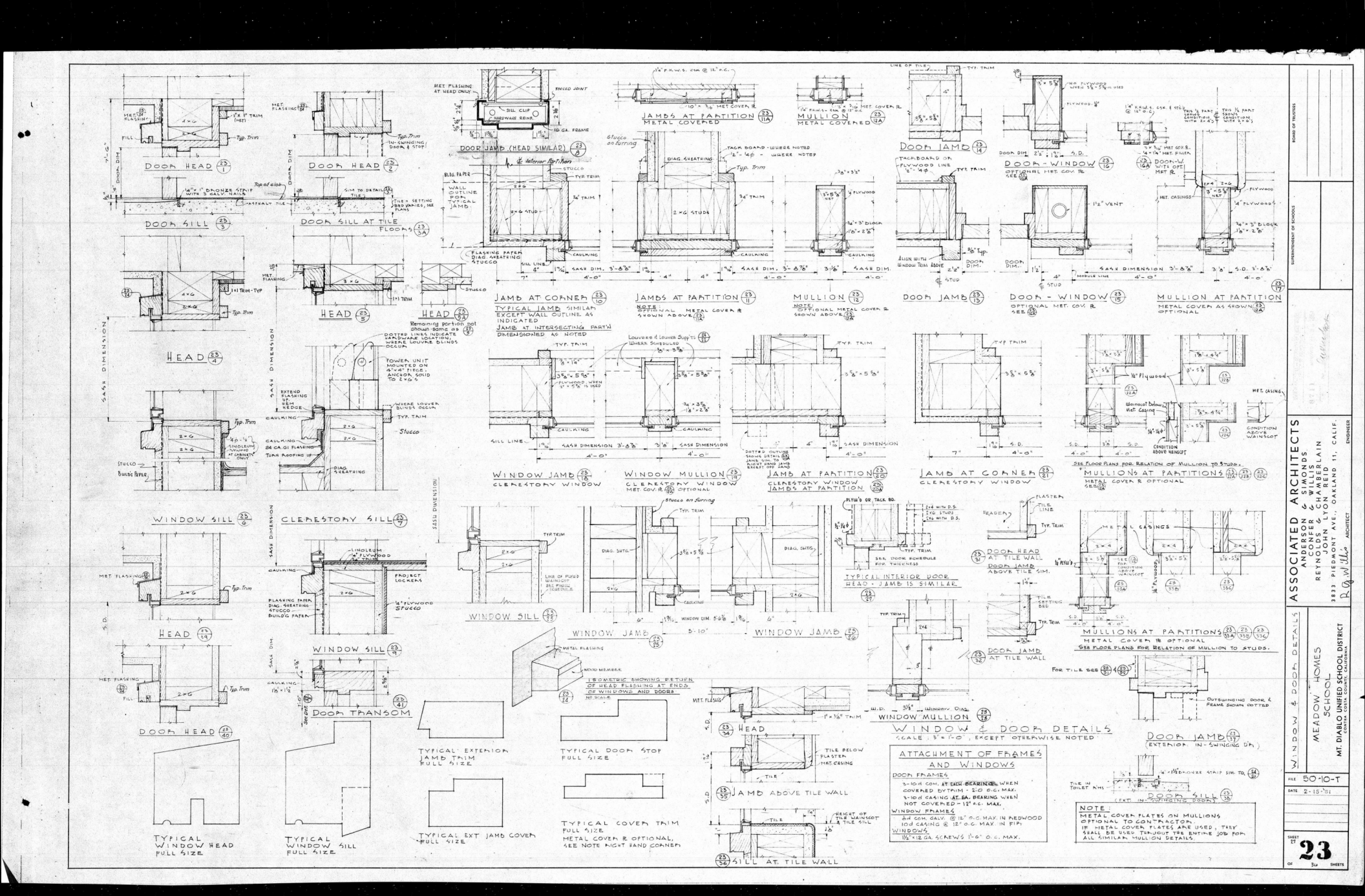
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T

DATE 2-15-51

SHEET 26

OF 37 SHEETS


DOOR HEAD 23/1
DOOR SILL 23/3
DOOR HEAD 23/2
DOOR SILL AT TILE FLOORS 23/3A
HEAD 23/5
HEAD 23/4
HEAD 23/6
DOOR JAMB (HEAD SIMILAR) 23/9
JAMB AT CORNER 23/10
TYPICAL JAMB SIMILAR EXCEPT WALL OUTLINE AS INDICATED
JAMB AT INTERSECTING PART'N DIMENSIONED AS NOTED
JAMBS AT PARTITION METAL COVERED 23/11A
JAMBS AT PARTITION 23/11
NOTE: OPTIONAL METAL COVER R SHOWN ABOVE 23/11A
MULLION METAL COVERED 23/12A
MULLION 23/12
NOTE: OPTIONAL METAL COVER R SHOWN ABOVE 23/12A
DOOR JAMB 23/14
DOOR JAMB 23/15
DOOR - WINDOW 23/16
OPTIONAL MET. COV. R SEE 23/16A
DOOR-W WITH OPT MET R 23/16A
MULLION AT PARTITION 23/17
METAL COVER AS SHOWN 23/12A OPTIONAL
WINDOW JAMB 23/18 CLERESTORY WINDOW
WINDOW MULLION 23/19 CLERESTORY WINDOW MET. COV. R OPTIONAL
JAMB AT PARTITION 23/20 CLERESTORY WINDOW JAMBS AT PARTITION 23/20A
JAMB AT CORNER 23/21 CLERESTORY WINDOW
MULLIONS AT PARTITIONS 23/22 23/22A 23/22B 23/22C
METAL COVER R OPTIONAL SEE 23/22A
SEE FLOOR PLANS FOR RELATION OF MULLION TO STUDS.
WINDOW SILL 23/6
CLERESTORY SILL 23/7
WINDOW SILL 23/8
WINDOW JAMB 23/25 23/26
WINDOW SILL 23/9
DOOR TRANSOM 23/41
DOOR HEAD 23/40
TYPICAL INTERIOR DOOR HEAD - JAMB IS SIMILAR 23/27
DOOR HEAD AT TILE WALL 23/31
DOOR JAMB ABOVE TILE SIM.
DOOR JAMB AT TILE WALL 23/32
MULLIONS AT PARTITIONS 23/33A 23/33B 23/33C
METAL COVER R OPTIONAL SEE FLOOR PLANS FOR RELATION OF MULLION TO STUDS.
ISOMETRIC SHOWING RETURN OF HEAD FLASHING AT ENDS OF WINDOWS AND DOORS NO SCALE 23/24
WINDOW MULLION 23/28
HEAD 23/34
JAMB ABOVE TILE WALL 23/35
SILL AT TILE WALL 23/36
DOOR JAMB (EXTERIOR IN-SWINGING DR.) 23/17
DOOR SILL (EXT. IN-SWINGING DOOR) 23/35
TYPICAL WINDOW HEAD FULL SIZE
TYPICAL WINDOW SILL FULL SIZE
TYPICAL EXTENSION JAMB TRIM FULL SIZE
TYPICAL EXT JAMB COVER FULL SIZE
TYPICAL DOOR STOP FULL SIZE
TYPICAL COVER TRIM FULL SIZE. METAL COVER R OPTIONAL, SEE NOTE RIGHT HAND CORNER
WINDOW & DOOR DETAILS
SCALE: 3" = 1'-0", EXCEPT OTHERWISE NOTED
ATTACHMENT OF FRAMES AND WINDOWS
DOOR FRAMES
3-10d COM. AT EACH BEARING, WHEN COVERED BY TRIM - 2'-0 O.C. MAX.
3-10d CASING AT EA. BEARING WHEN NOT COVERED - 12" O.C. MAX.
WINDOW FRAMES
8d COM. GALV. @ 12" O.C. MAX IN REDWOOD
10d CASING @ 12" O.C. MAX IN FIR
WINDOWS
1½" #12 GA. SCREWS 1'-6" O.C. MAX.
NOTE: METAL COVER PLATES ON MULLIONS OPTIONAL TO CONTRACTOR. IF METAL COVER PLATES ARE USED, THEY SHALL BE USED THROUGHOUT THE ENTIRE JOB FOR ALL SIMILAR MULLION DETAILS.
ASSOCIATED ARCHITECTS
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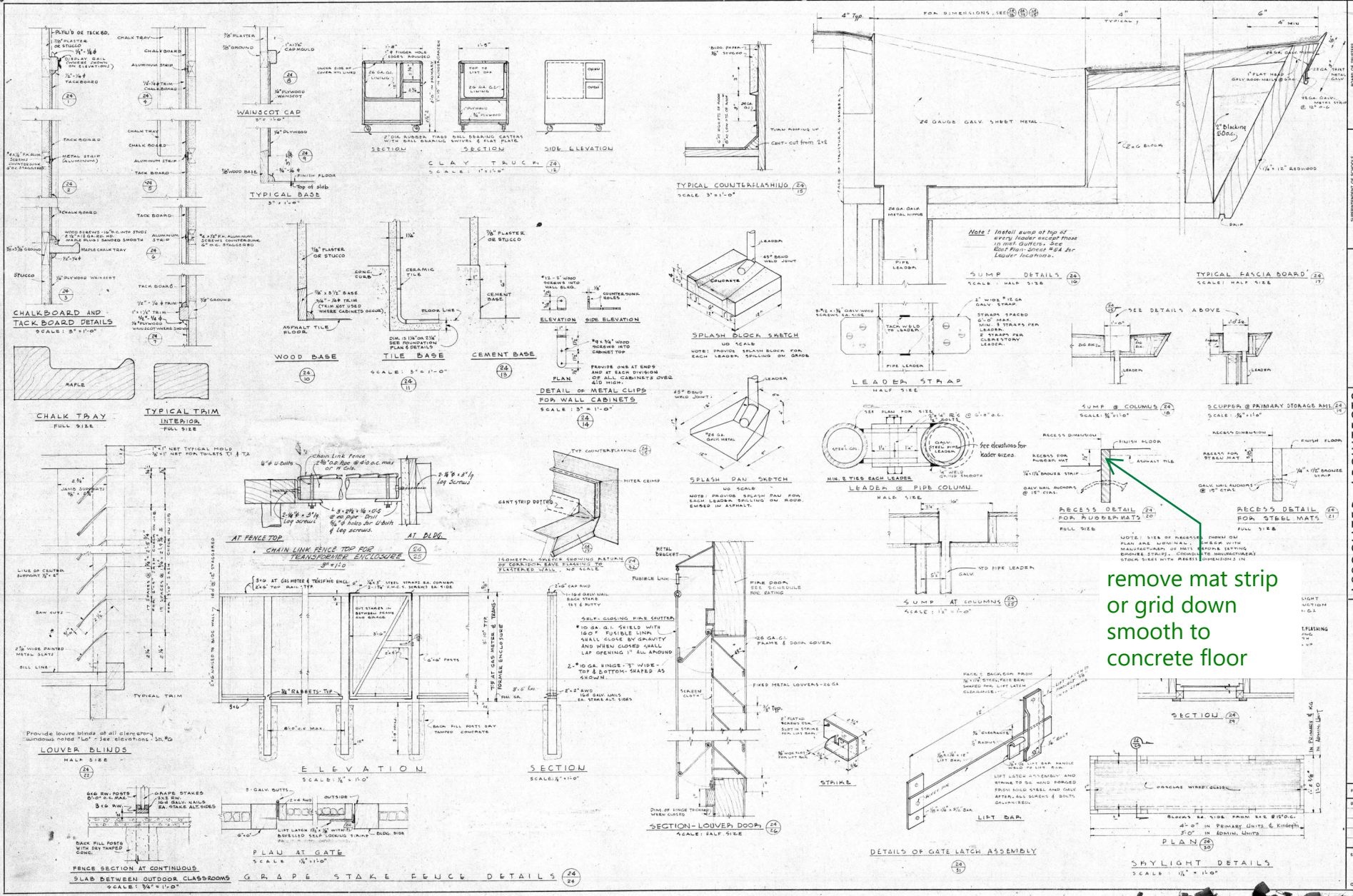
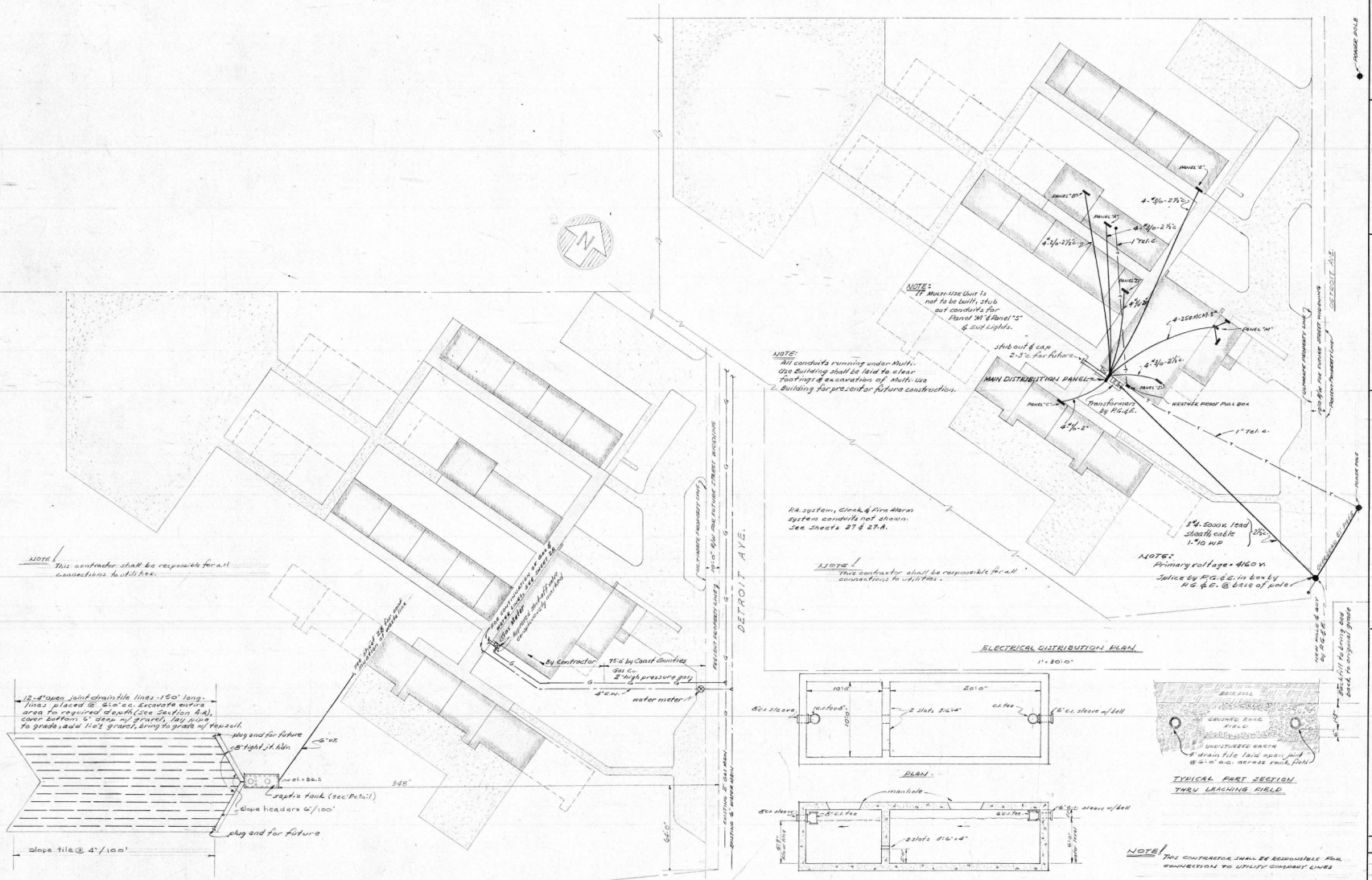
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT
ENGINEER
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
WINDOW & DOOR DETAILS
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
FILE 50-10-T
DATE 2-15-61
SHEET 23 OF 344 SHEETS


CHALKBOARD AND TACKBOARD DETAILS
SCALE: 3" = 1'-0"
CHALK TRAY
FULL SIZE
TYPICAL TRIM
INTERIOR
FULL SIZE
WAINSCOT CAP
TYPICAL BASE
CLAY TRUCK
SCALE: 1" = 1'-0"
SECTION
SIDE ELEVATION
TYPICAL COUNTERFLASHING
SCALE 3" = 1'-0"
SUMP DETAILS
SCALE: HALF SIZE
TYPICAL FASCIA BOARD
SCALE: HALF SIZE
Note! Install sump at top of every leader except those in Inst. Gutters. See Roof Plan. Sheet #5A for Leader locations.
24 GAUGE GALV. SHEET METAL
4" Typ
4" TYPICAL
6" 4" MIN
1" Blocking (Odd)
1 1/8" x 12" REDWOOD
LEADER STRAP
HALF SIZE
SPLASH BLOCK SKETCH
NO SCALE
NOTE: PROVIDE SPLASH BLOCK FOR EACH LEADER SPILLING ON GRADE
SPLASH PAN SKETCH
NO SCALE
NOTE: PROVIDE SPLASH PAN FOR EACH LEADER SPILLING ON ROOF. EMBED IN ASPHALT.
LEADER @ PIPE COLUMN
HALF SIZE
See elevations for leader sizes.
SUMP @ COLUMN
SCALE: 1" = 1'-0"
SCUPPER @ PRIMARY STORAGE AMS.
SCALE: 1" = 1'-0"
RECESS DETAIL FOR RUBBER MATS
FULL SIZE
RECESS DETAIL FOR STEEL MATS
FULL SIZE
NOTE: SIZE OF RECESSES SHOWN ON PLAN ARE NOMINAL. SEE D.F. WITH MANUFACTURER OF MATS BEFORE SETTING BROWZE STRIPS. CONSULT MATS MANUFACTURER'S STOCK SIZES WITH RECESS DIMENSIONS IN
SUMP AT COLUMNS
SCALE: 1" = 1'-0"
remove mat strip or grid down smooth to concrete floor
SECTION
SKYLIGHT DETAILS
SCALE: 1" = 1'-0"
4'-0" IN PRIMARY UNITS & Kindergarten
5'-0" IN ADMINI. UNITS
OBSCURE WIRED GLASS
Blocked ea. side from 8'0" to 8'10" O.C.
DETAILS OF GATE LATCH ASSEMBLY
LIFT BAR
STRIKE
SECTION - LOUVER DOOR
SCALE: HALF SIZE
LOUVER BLINDS
HALF SIZE
Provide louvre blinds at all clerestory windows noted "Lo" - See elevations - Sh. #6
ELEVATION
SCALE: 1/4" = 1'-0"
SECTION
SCALE: 1/4" = 1'-0"
AT FENCE TOP
AT BLDG.
CHAIN LINK FENCE TOP FOR TRANSFORMER ENCLOSURE
3" = 1'-0"
PLAN AT GATE
SCALE 1/4" = 1'-0"
FENCE SECTION AT CONTINUOUS SLAB BETWEEN OUTDOOR CLASSROOMS
SCALE: 3/4" = 1'-0"
GRAPE STAKE FENCE DETAILS
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
WILLIS & CHAMBERLAIN
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
MISCELLANEOUS DETAILS
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
FILE 50-10-T
DATE 2-15-'61
SHEET 28
24
OF SHEETS



ASSOCIATED ARCHITECTS
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LOUIS C. MAILER
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
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ARCHITECT ENGINEER

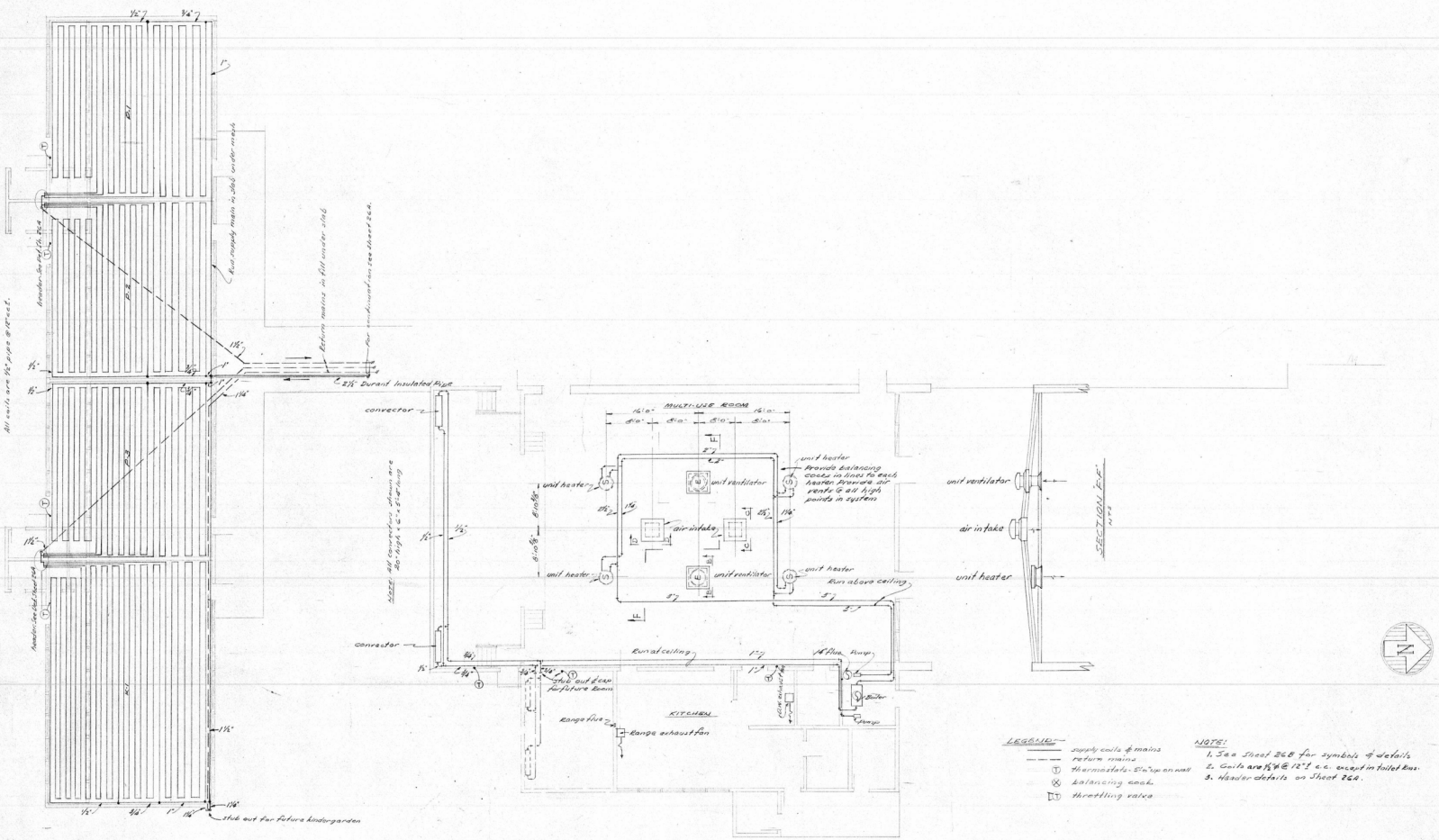
UTILITIES SITE PLAN
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 1-12-51

SHEET NO. 25 OF 37 SHEETS

SUPERINTENDENT OF SCHOOLS

BOARD OF TRUSTEES



Scale: 1/8"=1'-0"

LEGEND
- supply coils & mains
- return mains
- (T) thermostats - 5'-0" up on wall
- (X) balancing cock
- (TT) throttling valve

NOTE:
1. See Sheet 26B for symbols & details
2. Coils are 1½" @ 12" o.c. except in toilet rms.
3. Header details on Sheet 26A.

BOARD OF TRUSTEES

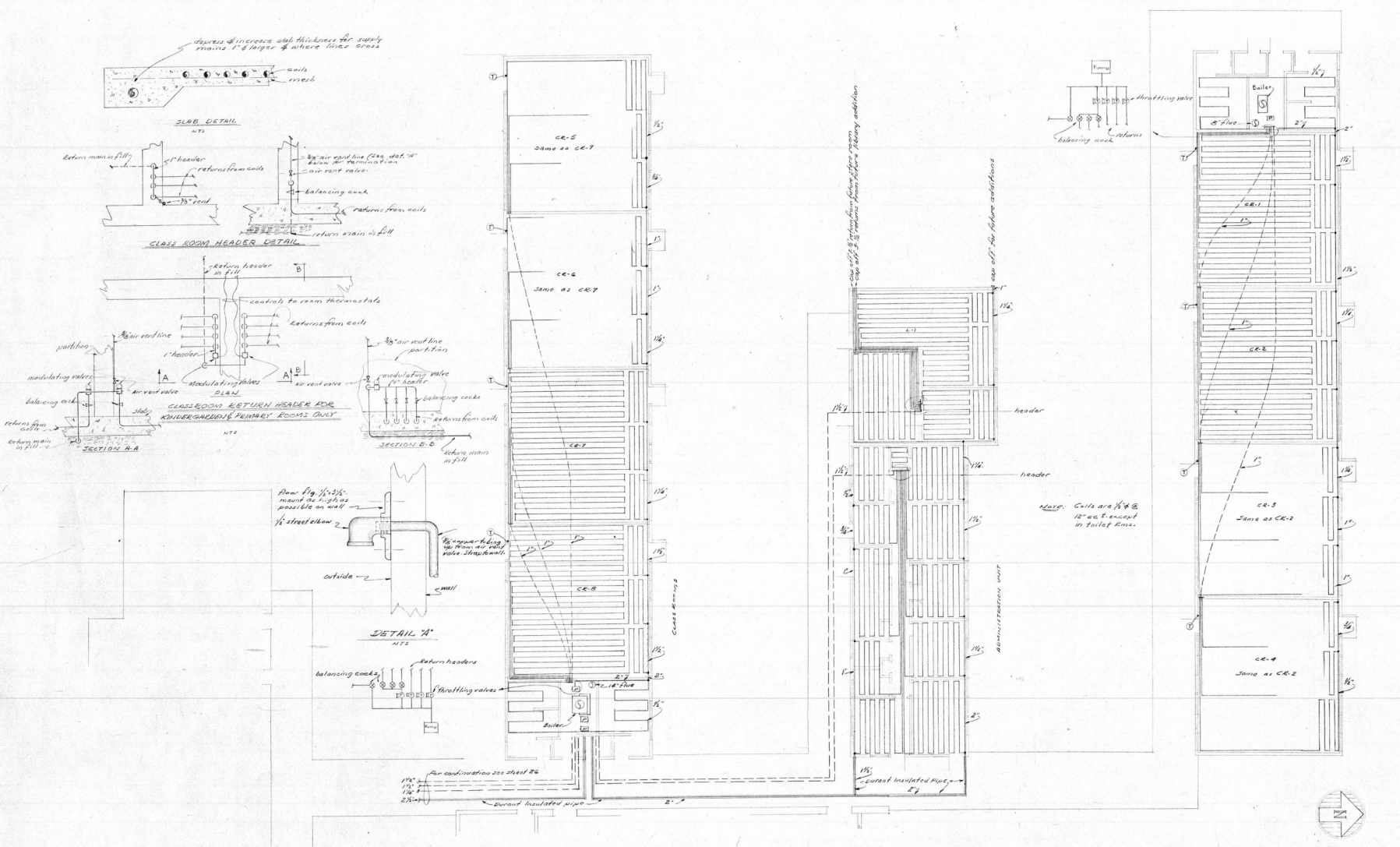
SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONNER & CHAMBERLAIN
REYNOLDS & WILLIS
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
R. G. Willis ARCHITECT
ENGINEER

HEATING
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 1-12-51

SHEET NO. 26
OF 37 SHEETS



BOARD OF TRUSTEES

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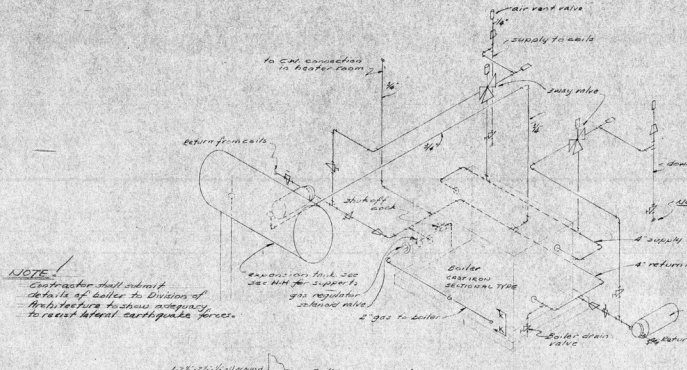
ASSOCIATED ARCHITECTS
ANDERSON & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

HEATING
MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

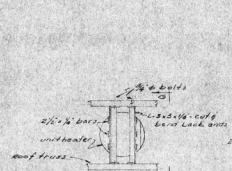
FILE 50-10-T
DATE 1-12-61

SHEET 26-A
OF 37 SHEETS



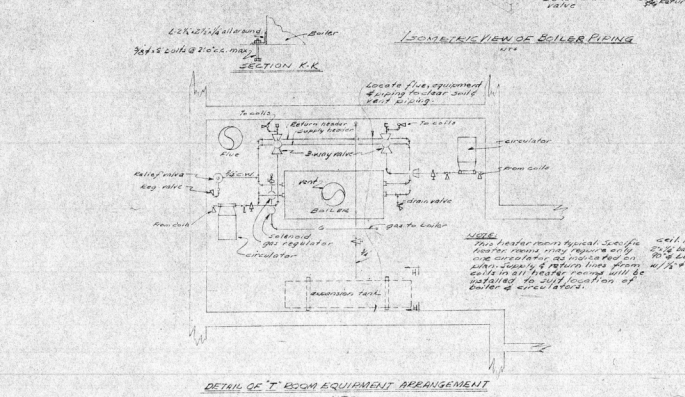
NOTE: Contractor shall submit details of boiler to Division of Architecture to show adequacy to resist lateral earthquake forces.

ISOMETRIC VIEW OF BOILER PIPING
NTS



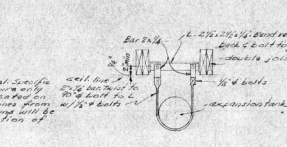
DETAIL OF BOILER FLUE
N.T.S.

SECTION G-G
DETAIL OF UNIT HEATER SUPPORT
N.T.S.

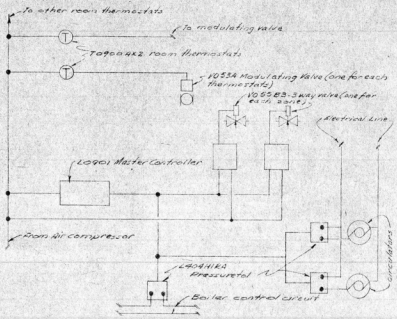


NOTE: This heater room typical. Specific heater room may require only one circulator as indicated on plan. Supply & return lines from coils in all heater rooms will be installed to suit location of boiler & circulator.

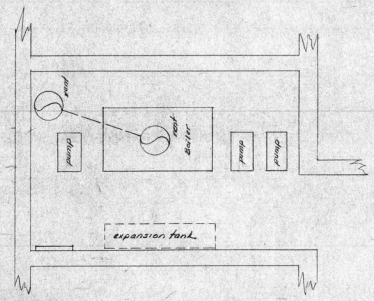
DETAIL OF "T" ROOM EQUIPMENT ARRANGEMENT
N.T.S.



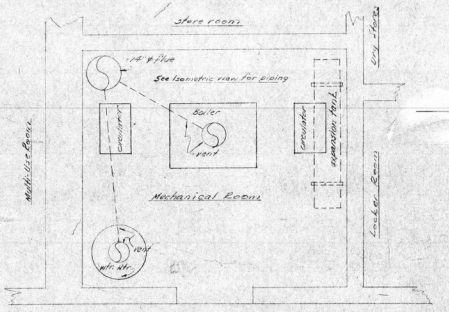
SECTION H-H TANK SUPPORT
N.T.S.



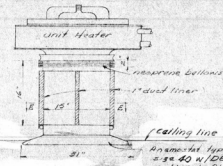
SCHEMATIC DIAGRAM-TEMPERATURE CONTROL SYSTEM



DETAIL OF EQUIPMENT ARRANGEMENT IN "T" ROOM WHERE 3 PUMPS ARE REQUIRED
N.T.S.



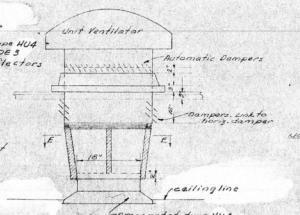
DETAIL OF EQUIPMENT ARRANGEMENT IN MULTI-USE UNIT HEATER RM.
N.T.S.



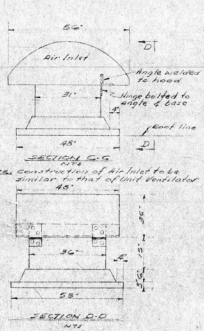
SECTION A-A
N.T.S.



SECTION E-E
N.T.S.



SECTION B-B
N.T.S.



DETAILS OF SUPPLY & EXHAUST UNITS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & HAMLIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.

HEATING DETAILS

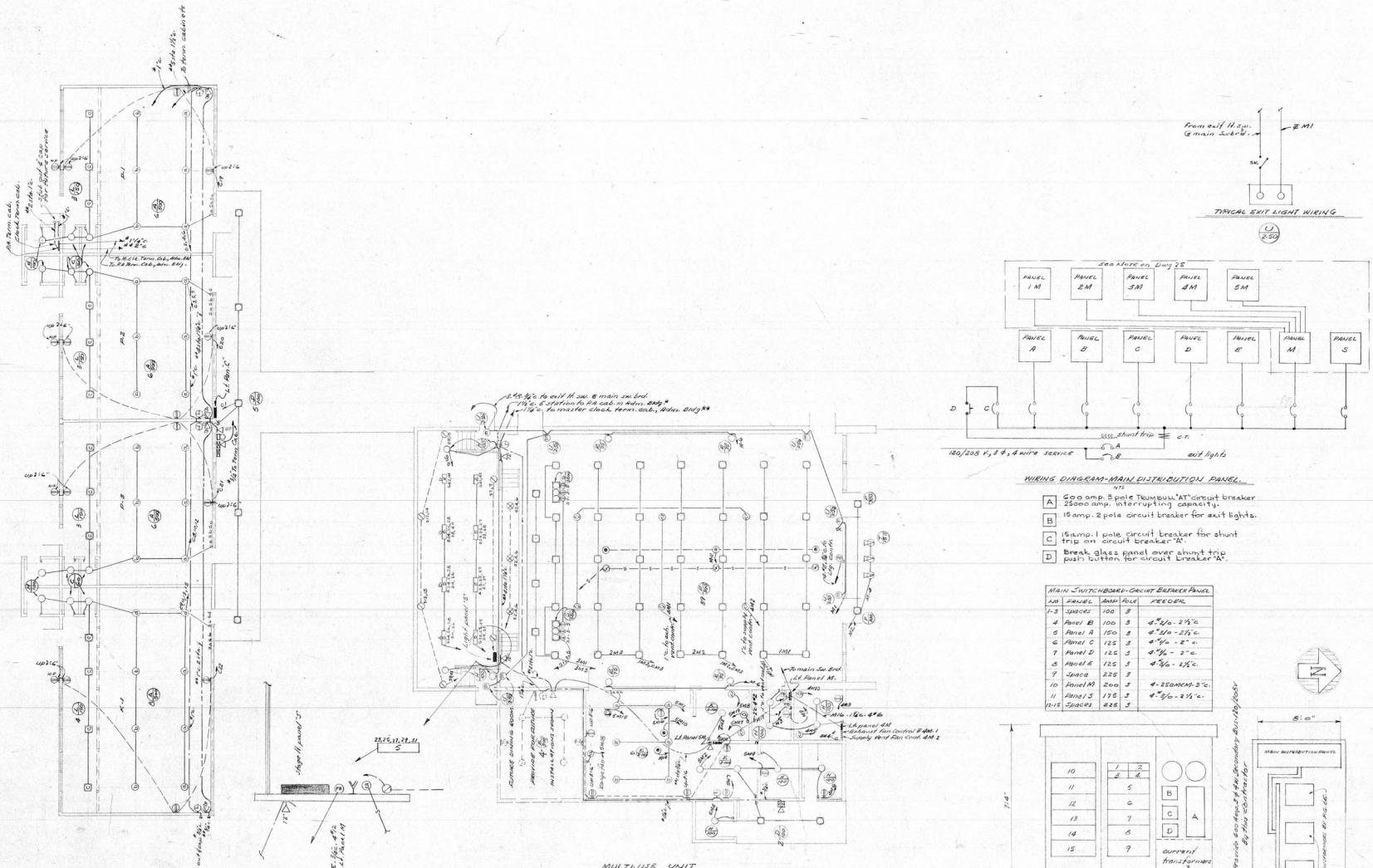
MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 50.10-T.2
DATE 1-12-61

SHEET NO. 26B
OF 37 SHEETS

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
PROJECT ENGINEER



*See specifications for wiring in clock & P.A. system conduit.
**See specifications for wiring in P.A. system conduit.
For Fire Stations see Dwg 45

MAIN SWITCHBOARD-CIRCUIT BREAKER PANEL				
NO	PANEL	AMP	POLE	FEEDER
1-3	SPACES	100	3	
4	PANEL B	100	3	4"ø/o - 2½"c.
5	PANEL A	150	3	4"ø/o - 2½"c.
6	PANEL C	125	3	4"ø/o - 2"c.
7	PANEL D	125	3	4"ø/o - 2"c.
8	PANEL E	125	3	4"ø/o - 2½"c.
9	SPACE	225	3	
10	PANEL M	200	3	4-250MCM-3"c.
11	PANEL S	175	3	4"ø/o - 2½"c.
12-15	SPACES	225	3	

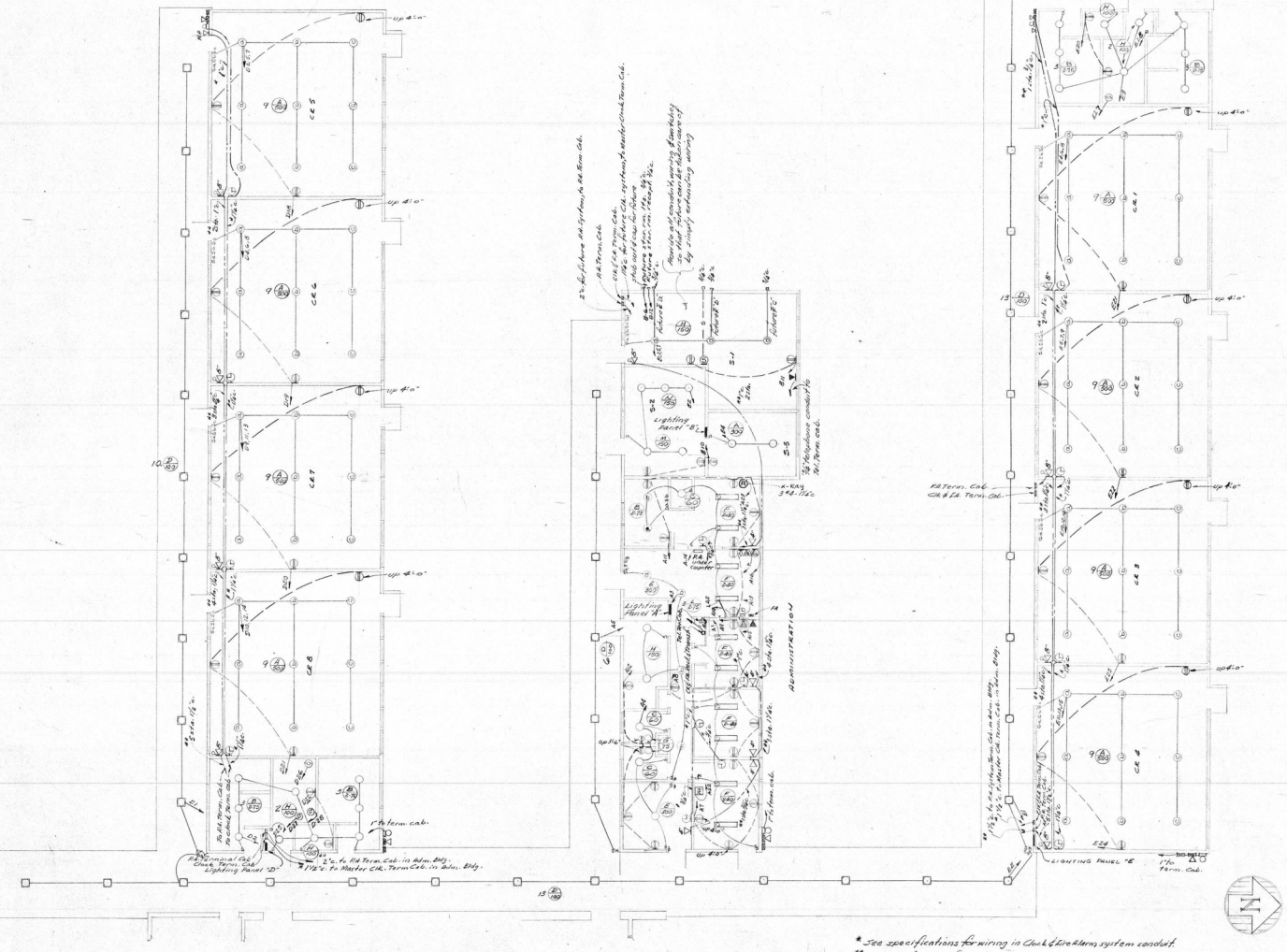
ASSOCIATED ARCHITECTS
ANDERSEN & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3873 PIEDMONT AVE., OAKLAND 11, CALIF.
R. G. Wilke ARCHITECT ENGINEER

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

ELECTRICAL
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-T
DATE 1-12-51

SHEET 27 OF 37 SHEETS



*See specifications for wiring in Clock & Fire Alarm system conduit.

**See specifications for wiring in R.A. system conduit.
For Fire Stations see sheet 25

See Sheet 27-B for symbols, schedules, etc.

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
WORNER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

ELECTRICAL
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

FILE 50-10-T
DATE 1-12-61

SHEET 36 27-A
OF 37 SHEETS

PANEL "A" - 3φ - 4 WIRE

200 Amp Bus

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	600			Lt'g.	Princ. Conf. Sta.
2	15	1	760			Lt'g.	Sect. Nurse
3	15	1		1850		Lt'g.	corridor, Stor.
4	15	1	470			Lt'g.	Rest rooms
5	15	1			600	Lt'g.	Corridor
6	15	1				Spare	
7	20	1	1200			Recept.	Teach. Kit. Rm.
8	20	1	1200			Recept.	corral & confr.
9	20	1		900		Recept.	Princ.
10	20	1		600		Recept.	Sec'y.
11	20	1	1500			Recept.	Nurse
12	20	1		1200		Recept.	Teach. Registr.
13	15	1				Master Clk. & F. A.	
14	15	1				P.A. System	Master
15	20	1				Htr. Recept.	Princ.
16	20	1				Htr. Recept.	Sect.
17	15	1				Spare	
18	15	1				Spare	
19	15	1				Spare	
20	20	1				Spare	
21	20	1				Spare	
22	20	2	1500			Recept.	Htr. Htr.
23	70	2				Recept.	X Ray
24							
25							
26							
27							
28							

PANEL "B" - 3φ - 4 WIRE

100 Amp. Bus

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	450			Lt'g.	S-1
2	15	1	700			Lt'g.	S-2
3	15	1				Spare	(Fut. Lt'g.)
4	15	1		600		Lt'g.	S-3
5	15	1				Spare	(Fut. Lt'g.)
6	15	1				Spare	(Fut. Stor.)
7	15	1				Spare	(Fut. L't'g.)
8	15	1				Spare	
9	15	1				Spare	
10	20	1		900		Recept.	S-2
11	20	1		600		Recept.	S-1
12	20	1				Spare	(Future Stor.)
13	20	1				Spare	
14	20	1				Spare	
15	20	1				Spare	
16	20	1				Spare	
17	20	1				Spare	
18	20	1				Spare	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

LIGHTING PANEL "M" - 3φ - 4 WIRE

200 AMP. BUS.

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	300			Light.	Exits
2	15	1	600			Light.	entrance
3	15	1				Light.	Stor. Rm.
4	15	1		900		Light.	school floods
5	15	1				Spare	
6	15	1				Spare	
7	15	1				Spare	
8	15	1				Spare	
9	20	1				Recept.	Stor. Rm.
10	20	1				Spare	
11	20	1			900	Recept.	Floor outlets
12	20	1				Spare	
13	50	2				Light.	Panel "1M"
14	50	2				Light.	Panel "2M"
15	50	2				Light.	Panel "3M"
16	50	3				Light.	Panel "4M"
17	90	3				Light.	Panel "5M"
18	50	3				Spare	

LIGHTING PANEL "1M" - 1φ - 3 WIRE

#	Amp	Pole	Load Watts	Load	Location
1	15	1		Light.	Main Room
2	15	1		Light.	Main Room
3	15	1		Light.	Main Room
4	15	1		Spare	

LIGHTING PANEL "2M" - 1φ - 3 WIRE

#	Amp	Pole	Load Watts	Load	Location
1	15	1		Light.	Main Room
2	15	1		Light.	Main Room
3	15	1		Light.	Main Room
4	15	1		Spare	

LIGHTING PANEL "3M" - 1φ - 3 WIRE

#	Amp	Pole	Load Watts	Load	Location
1	15	1		Light.	Main Room
2	15	1		Spare	
3	15	1		Light.	Main Room
4	15	1		Spare	

LIGHTING PANEL "4M" - 3φ - 4 WIRE

100 AMP. BUS

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	20	1				Fans	Lab. Prep. Rm. (Ch.)
2	20	1				Fans	Supply Fan Rm. (Ch.)
3	20	1			600	Recept.	Htr. Rm.
4	20	1				control	Boiler Control
5	15	1				Pump	
6	20	1				Spare	
7	20	1				Spare	
8	15	1				Spare	
9	15	1				Spare	
10	15	3				Pump	

LIGHTING PANEL "6M" - 3φ - 4 WIRE

100 AMP. BUS

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	1200			Light	Kitchen
2	15	1	1620			Light	stor., kitchen
3	15	1		700		Light (Lt.)	Dining Room
4	15	1		1200		Light	Cafe & Lords
5	15	1			900	Light (Lt.)	Dining Room
6	15	1				Spare	
7	15	1				Recept.	Refrigerator
8	20	1				Recept.	Scrapper
9	20	1	800			Recept.	stor. Rm.
10	20	1	1500			Recept.	Kitchen
11	20	1		1500		Recept.	Kitchen
12	20	1		1500		Recept.	Dining Rm. (Ch.)
13	20	1				Spare	
14	20	1				Recept.	Mixer
15	20	2				Recept.	Food Warmer
16	20	1				Recept.	Ice Cream
17	20	1				Recept.	Dish Washer
18	20	1				Motor	Range Fan
19	15	3				Motor	Dish Washer
20	20	1				Spare	

STAGE PANEL "S" 3φ - 4 WIRE

200 AMP. BUS W/ CENTRAL FEED

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1			1000	◫	Recept.	Front, Stage
2	15	1	1500			⊠	Recept.	Front, Stage
3	15	1			1000	◫	Recept.	Front, Stage
4	15	1			1500	⊠	Recept.	Front, Stage
5	15	1			1000	◫	Recept.	Front, Stage
6	15	1			1500	⊠	Recept.	Front, Stage
7	15	1	1000			◯	Recept.	Front, Stage
8	15	1		1000		◯	Recept.	Side, Stage
9	15	1			1000	◯	Recept.	Front, Stage
10	15	1			1000	◯	Recept.	Side, Stage
11	15	1			10000	◯	Recept.	Side
12	15	1			10000	◯	Recept.	Rear, Stage
13	15	1	1000			◯	Recept.	Rear, Stage
14	15	1	1000			◯	Recept.	Rear, Stage
15	15	1				◯	Front	Rear, Stage
16	15	1				Lights	Stage
17	15	1				Spare	
18	15	1				Spare	
19	15	1				Spare	
20	15	1				Spare	
21	15	1				Spare	
22	15	1				Spare	
23	15	1			900	E	Lt'g.	Front, Stage
24	15	1			900	E	Lt'g.	Front, Stage
25	15	1	900			E	Lt'g.	Front, Stage
26	15	1	900			E	Lt'g.	Front, Stage
27	15	1		700		E	Lt'g.	Front, Stage
28	15	1		700		E	Lt'g.	Front, Stage
29	15	1			300	E	Lt'g.	Front, Stage
30	15	1			300	E	Lt'g.	Front, Stage
31	15	1	300			E	Lt'g.	Front, Stage
32	15	1	300			E	Lt'g.	Front, Stage
33	15	1		300		E	Lt'g.	Front, Stage
34	15	1		300		E	Lt'g.	Front, Stage
35	15	1			300	E	Lt'g.	Front, Stage
36	15	1			300	E	Lt'g.	Front, Stage
37	15	1	300			E	Lt'g.	Front, Stage
38	15	1	300			E	Lt'g.	Front, Stage
39	15	1		300		E	Lt'g.	Front, Stage
40	15	1		300		E	Lt'g.	Front, Stage
41	15	1			300	E	Lt'g.	Front, Stage
42	15	1			300	E	Lt'g.	Front, Stage
43	15	1	300			E	Lt'g.	Front, Stage
44	15	1	300			E	Lt'g.	Front, Stage
45	50	3				Recept.	
46	50	3				Recept.	

PANEL "C" - 3φ - 4 WIRE

200 Amp. Bus

#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	500			Lt'g.	corridor
2	15	1		1500		Lt'g.	P-1
3	15	1	1500			Lt'g.	P-2
4	15	1		1500		Lt'g.	P-1
5	15	1			1500	Lt'g.	P-2
6	15	1			670	Lt'g.	P1
7	15	1	670			Lt'g.	P2
8	15	1	1500			Lt'g.	P3
9	15	1		1500		Lt'g.	K-1
10	15	1		1500		Lt'g.	P3
11	15	1			1500	Lt'g.	K1
12	15	1			670	Lt'g.	P2
13	15	1	1500			Lt'g.	K-1
14	15	1				Spare	
15	15	1		820		Lt'g.	K1
16	15	1				Spare	
17	15	1				Spare	
18	15	1				Spare	
19	20	1	1200			Recept.	A1
20	20	1	1200			Recept.	A2
21	20	1		1200		Recept.	A3
22	20	1		1200		Recept.	K1
23	20	1				Spare	
24	20	1				Spare	
25	20	1				Spare	
26							
27							
28							

PANEL "D" - 3φ - 4 WIRE

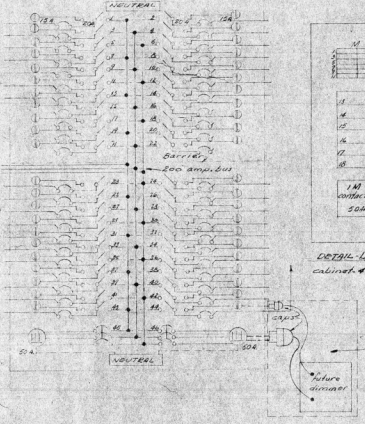
200 Amp Bus

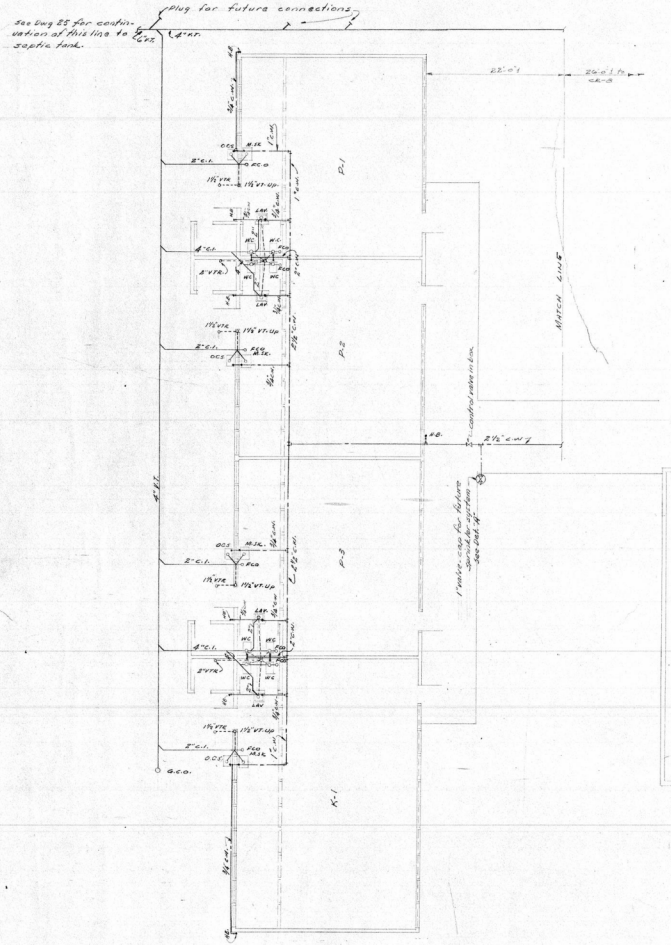
#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	1000			Lt'g.	corridor
2	15	1	1200			Lt'g.	Toilets & Htr. Rm.
3	15	1		1500		Lt'g.	CR 5
4	15	1		1500		Lt'g.	CR 6
5	15	1		1500		Lt'g.	CR 5
6	15	1		1500		Lt'g.	CR 6
7	15	1	1500			Lt'g.	CR 5
8	15	1	1500			Lt'g.	CR 6
9	15	1		1500		Lt'g.	CR 7
10	15	1		1500		Lt'g.	CR 8
11	15	1			1500	Lt'g.	CR 7
12	15	1			1500	Lt'g.	CR 8
13	15	1	1500			Lt'g.	CR 7
14	15	1	1500			Lt'g.	CR 8
15	15	1				Spare	
16	15	1				Spare	
17	15	1				Spare	
18	20	1			900	Recept.	CR 5
19	20	1	900			Recept.	CR 6
20	20	1	900			Recept.	CR 7
21	20	1		900		Recept.	CR 8
22	20	1		600		Recept.	Htr. Rm.
23	20	1				Spare	
24	20	1				Spare	
25						Boiler Cont.	Htr. Rm.
26						Pump	Htr. Rm.
27						Pump	Htr. Rm.
28						Pump	Htr. Rm.

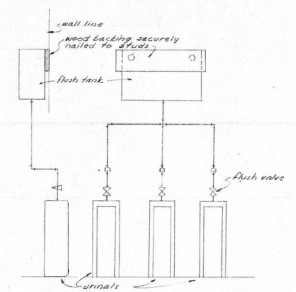
PANEL "E" - 3φ - 4 WIRE

200 Amp. Bus

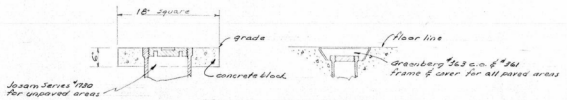
#	Amp	Pole	Load Watts A	B	C	Load	Location
1	15	1	1300			Lt'g.	corridor
2	15	1				Spare	
3	15	1		1200		Lt'g.	Toilets & Htr. Rm.
4	15	1		1500		Lt'g.	CR 1
5	15	1		1500		Lt'g.	CR 2
6	15	1		1500		Lt'g.	CR 1
7	15	1	1500			Lt'g.	CR 2
8	15	1	1500			Lt'g.	CR 1
9	15	1		1500		Lt'g.	CR 2
10	15	1		1500		Lt'g.	CR 3
11	15	1			1500	Lt'g.	CR 4
12	15	1			1500	Lt'g.	CR 3
13	15	1	1500			Lt'g.	CR 4
14	15	1	1500			Lt'g.	CR 3
15	15	1		1500		Lt'g.	CR 4
16	15	1				Spare	
17	15	1				Spare	
18	15	1				Spare	
19	15	1				Spare	
20	20	1	600			Recept.	Htr. Rm.
21	20	1		900		Recept.	CR 1
22	20	1		900		Recept.	CR 2
23	20	1			900	Recept.	CR 3
24	20	1			900	Recept.	CR 4
25	20	1				Spare	
26	20	1				Spare	
27						Pump	Htr. Rm.
28						Boiler Cont.	Htr. Rm.



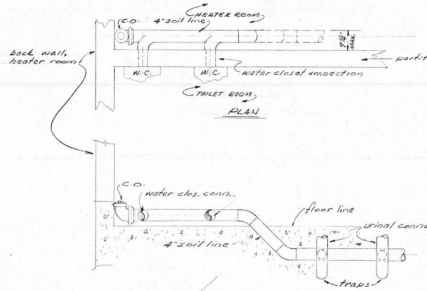




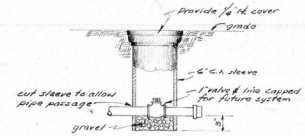
DETAIL-FLUSH TANK CONNECTION TO URINALS
NTS
See Dwg. (12/7) for setting details



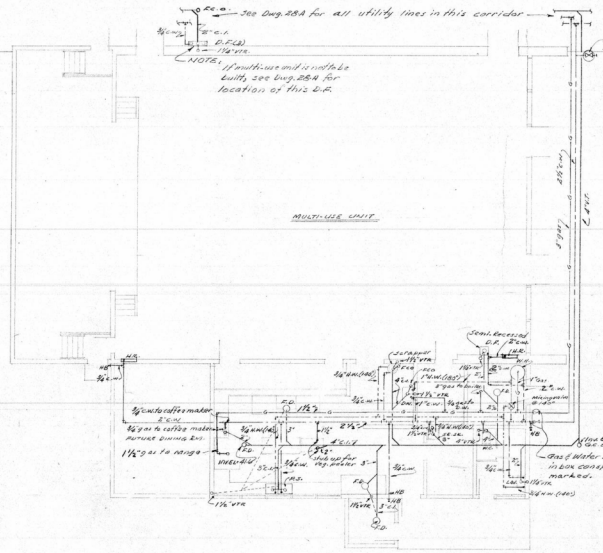
DETAILS OF CLEAN OUTS
NTS

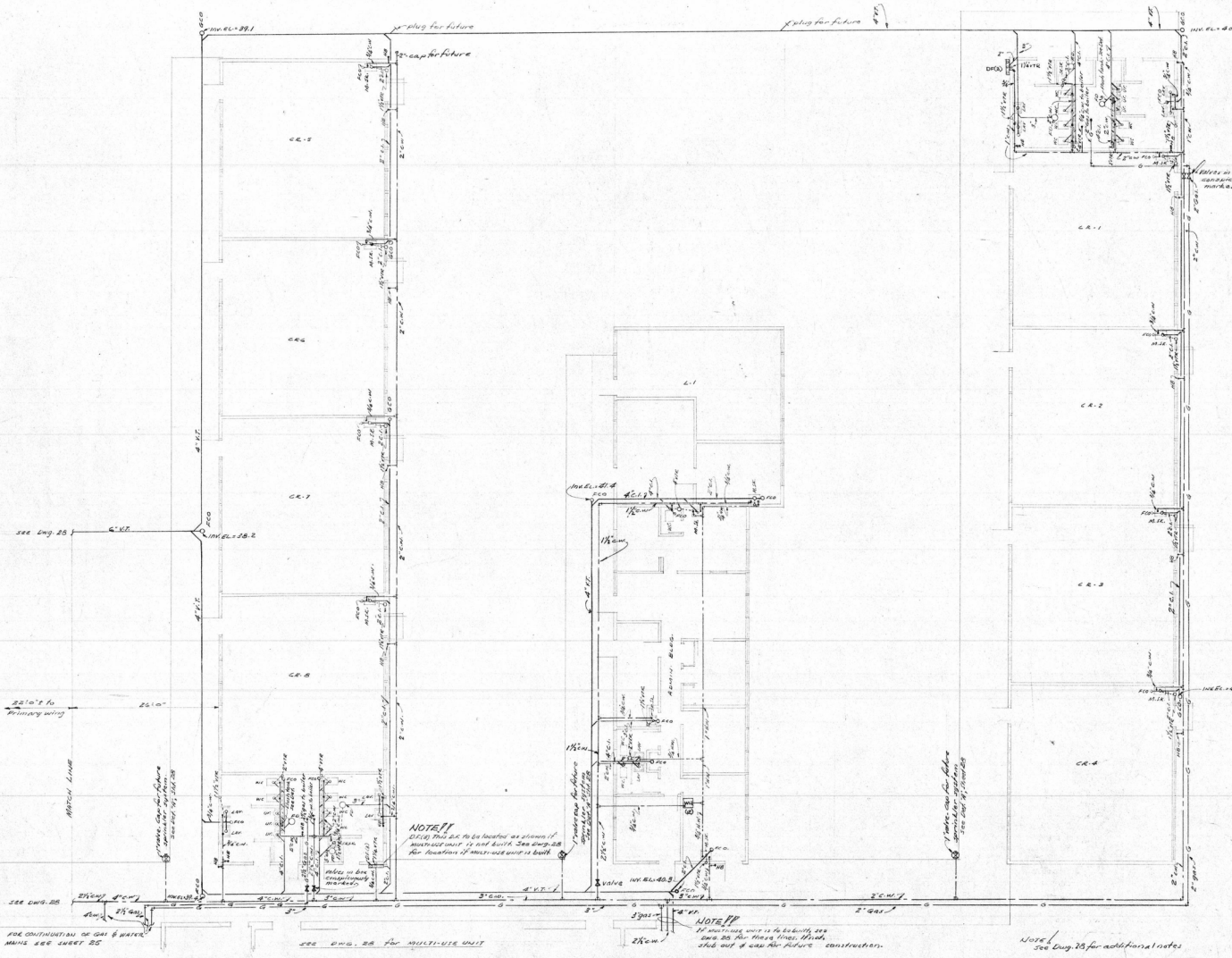


DETAIL-WATER CLOSET & URINAL CONNECTIONS
NTS



DETAIL "A"
SPRINKLER VALVE BOX


See Dwg. 28A for all utility lines in this corridor
1" valve-cap for future service line. See Det. "A"
NOTE: If multi-use unit is not to be built, see Dwg. 28A for location of this D.F.
MULTI-USE UNIT
Grease Interceptor
Grease Trap
Sand Receptor
Oil Separator
Note: Grease & Water valves in box conspicuously marked.
Note: Gas & Water valves in box conspicuously marked.
Sump for Hydraulic Elev. Pump
Sump for Elev. Pump
Sump for Elev. Pump
Sump for



ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
ARCHITECT ENGINEER

PLUMBING

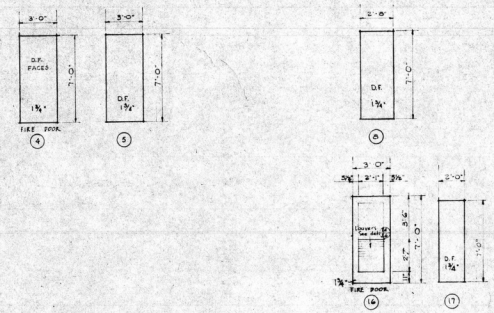
MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 50-10-7
DATE 1-12-51

SHEET 27
28-A
OF 37 SHEETS

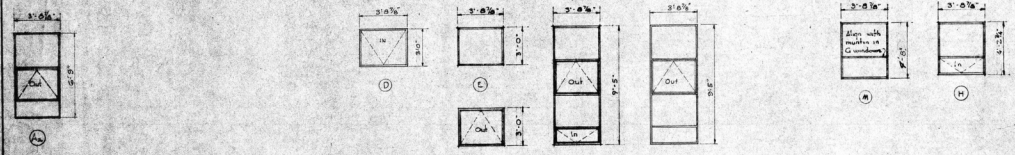
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

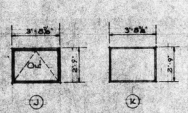


Notes: Door heights for exterior doors are from finished floor. Check sill details for door taps below floor line.

DOOR SCHEDULE

Scale: ¼" = 1'-0"





SCHEDULE OF METAL SASH

Scale: ¼" = 1'-0"

1949 BOND ISSUE PROJECT

NAME OF SCHOOL ADDITION

DEVELOPED BY THE BOARD OF EDUCATION
OF
MT. DIABLO UNIFIED SCHOOL DISTRICT

OSCAR LARSON - PRESIDENT
ARNOLD C. BJORK — DORIS E. LOVERIDGE
ETHEL A. WIGET — HARMON E. WELSH

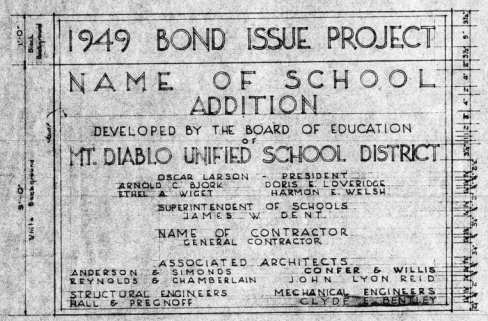
SUPERINTENDENT OF SCHOOLS
JAMES W. DENT

NAME OF CONTRACTOR
GENERAL CONTRACTOR

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS — CONFER & WILLIS
REYNOLDS & CHAMBERLAIN — JOHN LYON REID

STRUCTURAL ENGINEERS
HALL & PREGNOFF

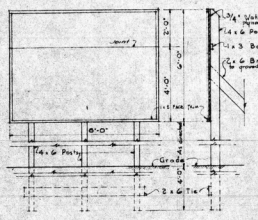
MECHANICAL ENGINEERS
CLYDE E. PENTLEY



DETAIL OF LETTERING

Scale: 1" = 1'-0"

NOTE: For larger scale detail of lettering see Title below



Scale: ⅜" = 1'-0"

ABBREVIATION INDEX

Aggr.	Aggregate
Asph.	Asphalt
D.F.	Douglas fir
Diag. S.	Diagonal Sheathing
M.I. Mach.	Malleable Iron Washer
o.c., ctrs., c-c	On center
R.W.	Redwood
S.D.	Soap Dispenser
S.L.	Square Link Sheathing
Str. Mat.	Straw mats
T.P.	Towel Dispenser
V.G.	Vertical Grain
W.R.	Waste Receptacle
D.C.	Door Closer
K.P.	Kick Plate
F.P.	Fpool Pull
P.30-77	Typical Lock Number
12	Number where section or detail is drawn
25	Detail or section number

SCHEDULE OF LETTERING

2" high metal letters approx. 5'6" above the floor

1 Classroom and Kindergarten Units: 2 numerals on each corridor door.
2 Toilet Units: BOYS, GIRLS, JANITOR, HEATER ROOM
3 Storage Unit: STORAGE ROOM
4 Library Unit (Exterior doors): LIBRARY, BOOK ROOM

NOTE: Lettering on new buildings shall be done under this schedule and as directed by Architect.

SIGN BOARD DETAILS

SCHEDULE OF INTERIOR FINISH MATERIALS

UNIT	ROOM	NUMBER	FLOOR	BASE	WAINSC.	WALLS	CEILG	CEIL. M.LD.	CAP M.LD. On Wainsc.	CHAIR RAIL	REMARKS
CR	CLASSROOMS	CR-9th Rm.	Asph. Tile	D.F.	Plywood	Stucco	Acoust A	D.F.	D.F.		See Sheet # 9
BOOK UNIT	LIBRARY	L-1	Asph Tile	D.F.	Plywood	Stucco	*Acoust A	D.F.	D.F.		See Sheet # 11
	LIBRARIANS OFFICE	L-2			New Plywd						Existing
	WORK ROOM	L-3									
KINDERGARTEN	KINDERGARTEN	K-5	Asph. Tile	D.F.	Plywood	Stucco	Acoust A	D.F.	D.F.		See Sheet # 10
	do STORAGE	K-6	Cement	Cement		Stucco	Stucco				
	do TOILET	K-7	Tile	Tile	Tile 6'-0"	Plaster	Acoust A	D.F.			
	do TOILET	K-8	Tile	Tile	Tile 6'-0"	Plaster	Acoust A	D.F.			
TOILET UNIT	BOYS TOILET	T-9	Tile	Tile	Tile	Plaster	*Acoust F	D.F.			See Sheet # 12
	HEATER ROOM	T-10	Cement	Cement		Stucco	Stucco				
	GIRLS TOILET	T-11	Tile	Tile	Tile	Plaster	*Acoust F	D.F.			
	JANITOR	T-12	Cement	Cement		Plaster	Plaster				
STORAGE	STORAGE UNIT	ST-1	Cement	D.F.		Stucco	Stucco				
	COVERED CORRIDORS		Cement			Stucco	Stucco				

SCHEDULE OF INTERIOR PAINTING

ROOM	BASE	WAINSC.	WALLS	CEILG	Window Sash Frame, & Trim	Other Wood	REMARKS
CLASSROOMS	Enamel	Stain	Flatwall		Eggshell	Stain	
LIBRARY	Enamel	Stain	Flatwall		Eggshell	Stain	ONE coat only on existing paint
LIBRARIANS OFFICE	Enamel	Stain	Flatwall		Eggshell	Stain	
WORK ROOM						Stain	
KINDERGARTEN	Enamel	Stain	Flatwall		Eggshell	Stain	
do STORAGE						Stain	
do TOILET			Enamel	Enamel	Enamel	Enamel	
do TOILET			Enamel	Enamel	Enamel	Enamel	
BOYS TOILET			Enamel	Enamel	Enamel	Enamel	
HEATER ROOM						Stain	
GIRLS TOILET			Enamel	Enamel	Enamel	Enamel	
JANITOR			Enamel	Enamel		Stain	Open Framing Beams 8'-0" Apart
STORAGE UNIT					Enamel	Stain	
COVERED CORRIDORS			See Specs.	See Specs.			

* For ceiling to align with existing acoustic tile ceiling in Librarians office L-2.
* Stain Rear Door Frame and Trim
* Install plaster above Acoustical T ceilings

INDEX OF DRAWINGS

Sheet No.	TITLE OF SHEET	INDEX
1	TITLE SHEET - SCHEDULES	1
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4	FLOOR PLAN	5
5	ROOF FRAMING PLAN & ROOF PLAN	6
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21	GENERAL NOTES	13
22	TYPICAL STRUCTURAL DETAILS	14
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TITLE SHEET - SCHEDULES

ADDITION TO MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T

DATE 12-4-52

SHEET 1 OF 19



PLAN OF SAND BOX (2/1)
Scale 1/4" = 1'-0"

SAND BOX DETAIL (2/2)
Scale 1 1/2" = 1'-0"

DETAIL OF HEADER BOARD FOR ASPH. PAVING (2/3)

See Plot Plan for finish elevations of paving, curbs & flow lines.

NOTE Approval of the Division of Architecture does not include existing or future construction.

PLOT PLAN
Scale 1" = 30'

NOTE: All construction is existing unless shown otherwise.
All contours are existing unless shown otherwise.
All solid contour lines in graded area are new contours, dash line are existing contours.
Unless elevations are shown, all paving shall be at elevation of adjacent finish grade

LEGEND

- Asph. Paving
- New Gripetake Fence
- Conc. Paving
- Top Soil
- Outline of compact fill & excavation bottom of which is as noted (See notes on Sh. 1)
- Finish grading shall be uniform slope between points shown.
- Finish grades adjacent to buildings, walks, roadways, outdoor playgrounds, paved areas, etc., are shown by 20.4
- Existing topography taken from survey for Mt. Diablo Unified School District by Leo J. Coleman, Lafayette, Calif. Dated Dec. 1951
- Existing Construction
- New Construction
- Future Construction
- N.T.S. Not to scale
- C.B. Catch Basin
- F.L. Flow Line

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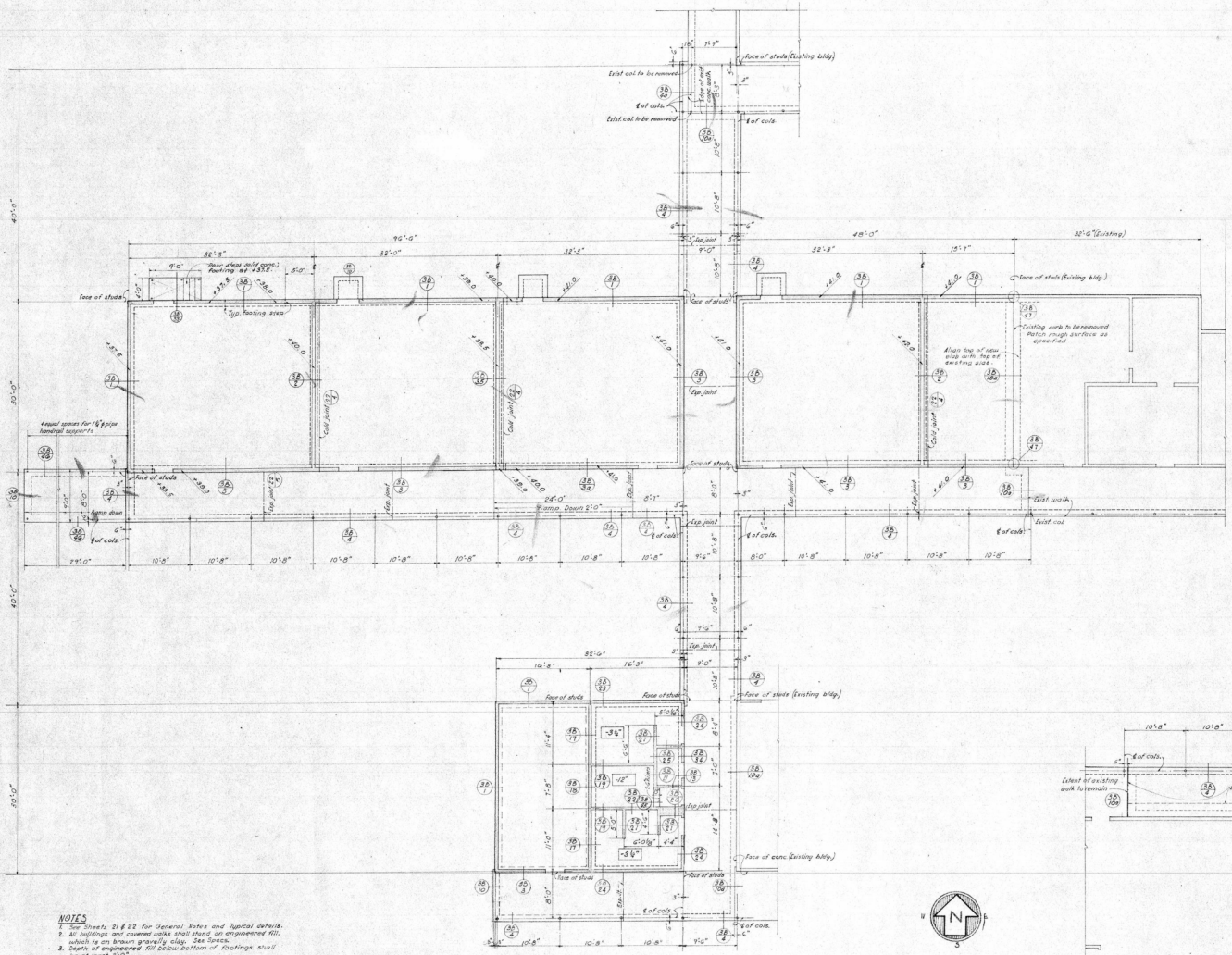
PLOT PLAN
ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T
DATE 12-4-52
SHEET NO. 2
OF 19 SHEETS

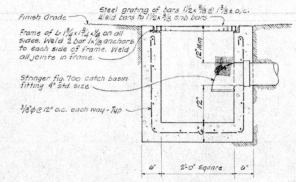


FOUNDATION PLAN
CLASSROOM, LIBRARY, & TOILET AM. ADDITION
Scale 1/8"=1'-0"

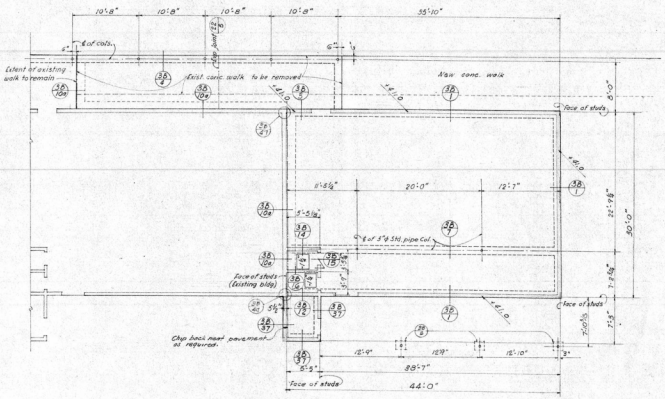
NOTES
1. See Sheets 21 & 22 for General Notes and Typical details.
2. All buildings and covered walks shall stand on engineered fill, which is on brown gravelly clay. See Specs.
3. Depth of engineered fill below bottom of footings shall be at least 2'0".
4. Existing surface shall be stripped at least 1'-0" deep, wherever engineered fill is to be placed.
5. For minimum extent of excavation see plot plan sh.2
6. Allowable soil pressure for footings on engineered fill is 2500 lbs. per sq. ft. for dead plus live load.
7. For minor floor depressions see other drawings.
8. -24" indicates the distance which the top of the conc. slab is below finish floor.

LEGEND
Denotes Curb
-24" Indicates depth of conc. slab depression below fin. floor elevation.
All construction is new unless shown otherwise.

1. Bottom of footings are at Elevation +41.0 except as noted on plan or on Section Details.
2. Elevations noted as thus: +38.0 etc. refer to elevation of bottom of foundations.



CATCH BASIN CROSS SECTION (2/1)
Scale ¾"=1'-0"



FOUNDATION PLAN
KINDERGARTEN ADDITION
Scale ⅛"=1'-0"

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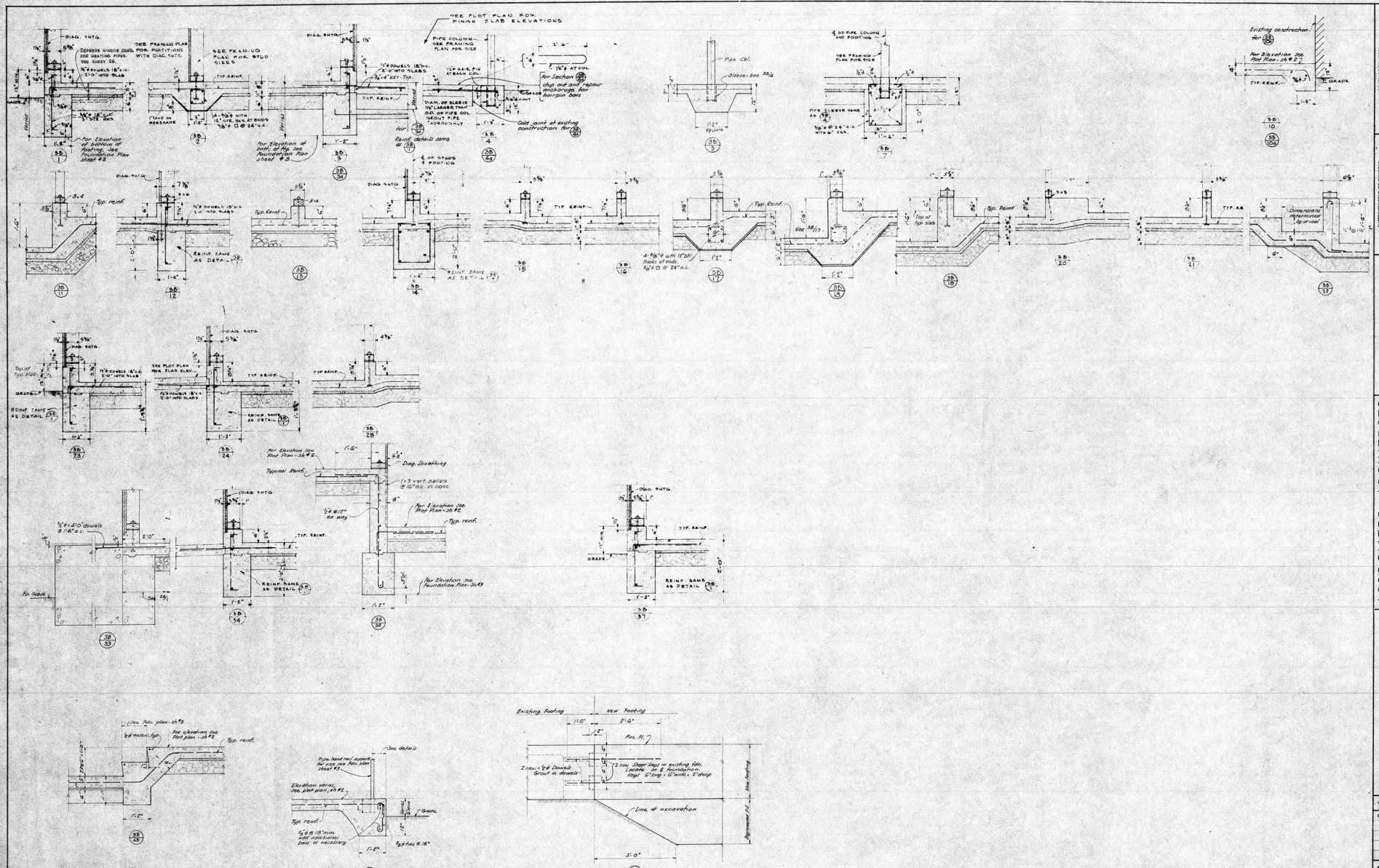
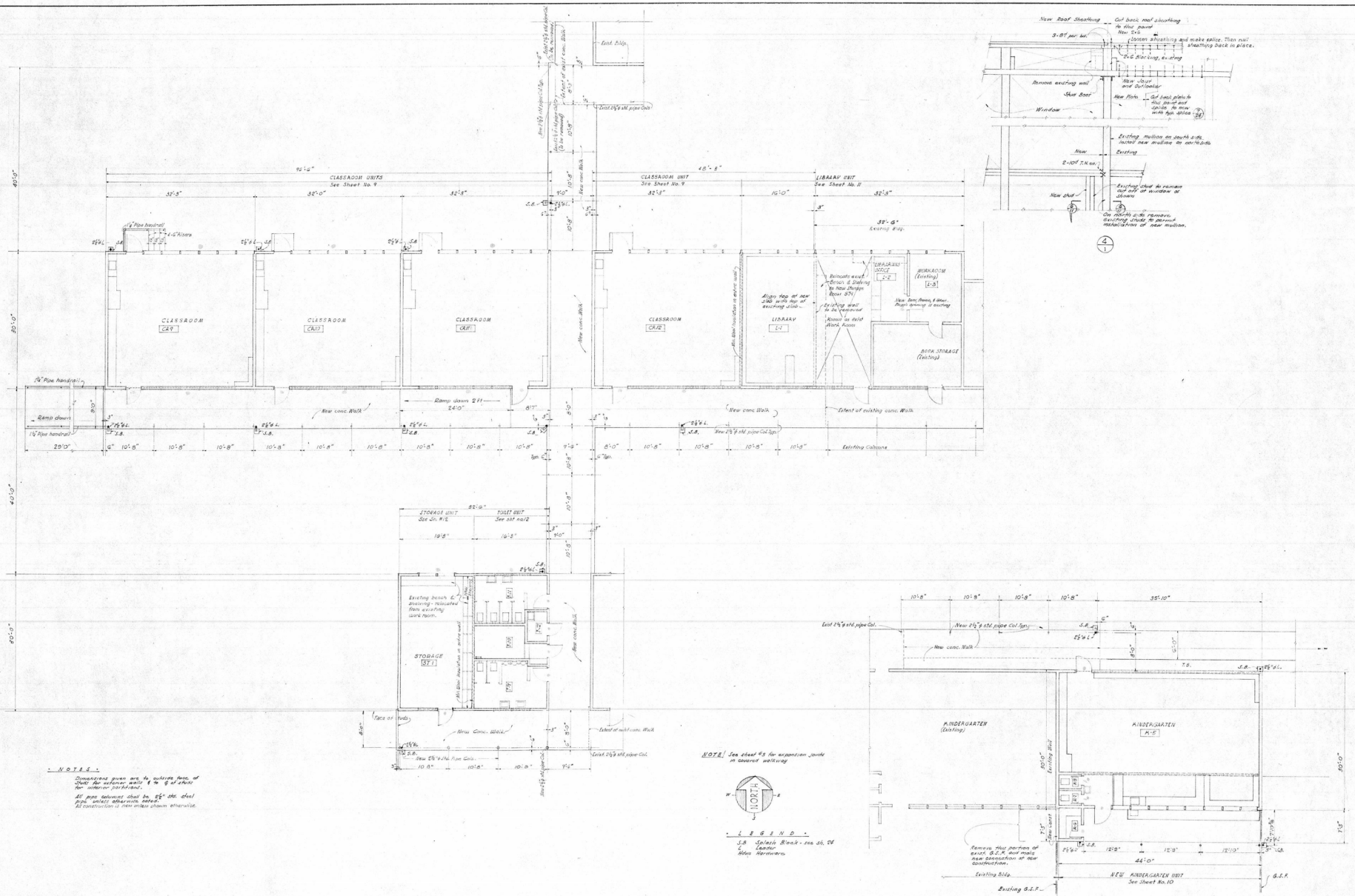
DATE OF ACCEPTANCE — DEPARTMENT OF PUBLIC WORKS
10961 APPROVED
DATE
By

FOUNDATION PLAN
ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T
DATE 12-4-52

SHEET 3
3
OF 19 SHEETS


SEE PLOT PLAN FOR FINISH SLAB ELEVATIONS
DIAG. SHTG.
SEE FRAMING PLAN FOR STUD SIZES
TYP. REINF.
PIPE COLUMN SEE FRAMING PLAN FOR SIZE
Pipe Col.
Sleeve-See 38/4
4 OP PIPE COLUMN AND FOOTING
SEE FRAMING PLAN FOR SIZE
Existing construction
TYP. REINF.
GRADE
Typ. reinf.
REINF. SAME AS DETAIL
Typ. Reinf.
TYP. REINF.
Top of typ. slab
Dimensions determined by survey
Typ. reinf.
Typ. slab
Typ. Reinf.
Typ. Reinf.
Typ. Reinf.



- NOTES -

Dimensions given are to exterior face of studs for exterior walls & to ℄ of studs for interior partitions.

All pipe columns shall be 2½" std. steel pipe unless otherwise noted.

All construction is new unless shown otherwise.

NOTE! See sheet #3 for expansion joints in covered walkway

- LEGEND -

J.B. Splash Block - see 36, D8

L Leader

Hdw. Hardware

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FLOOR PLAN

ADDITION TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T

DATE 12-4-52

SHEET NO. 4

OF 14 SHEETS

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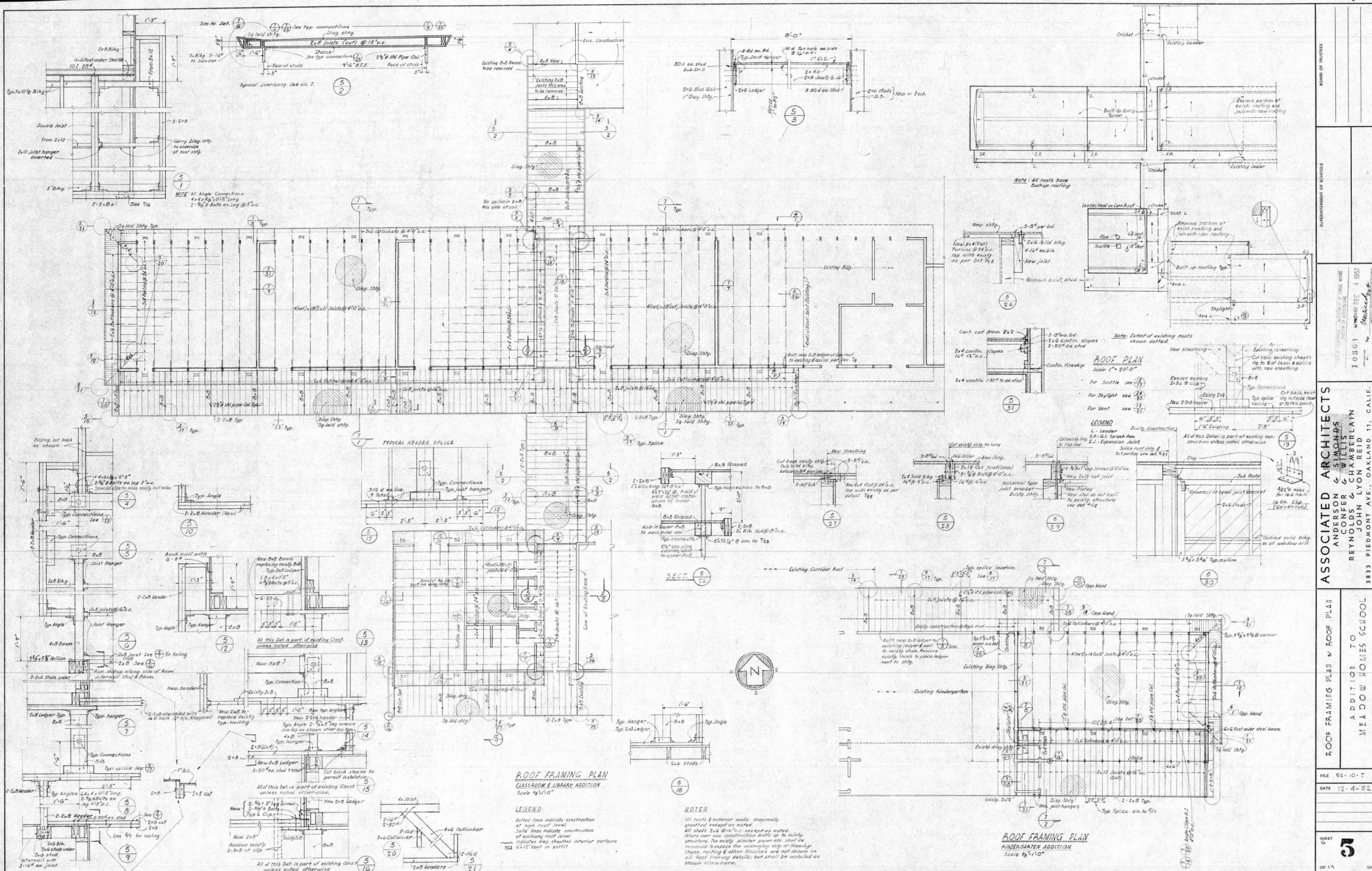

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10301

ROOF FRAMING PLAN & ROOF PLAN

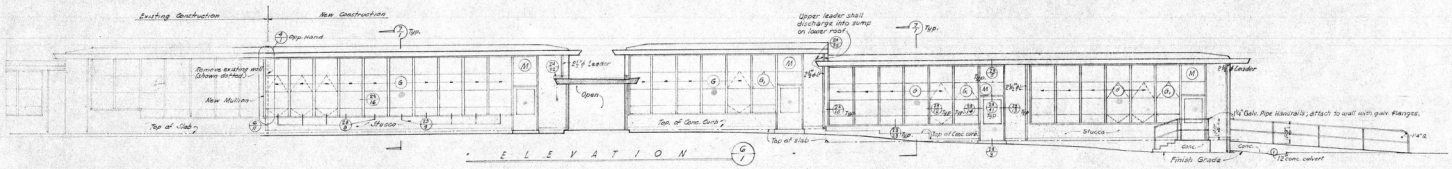
ADDITION TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-7

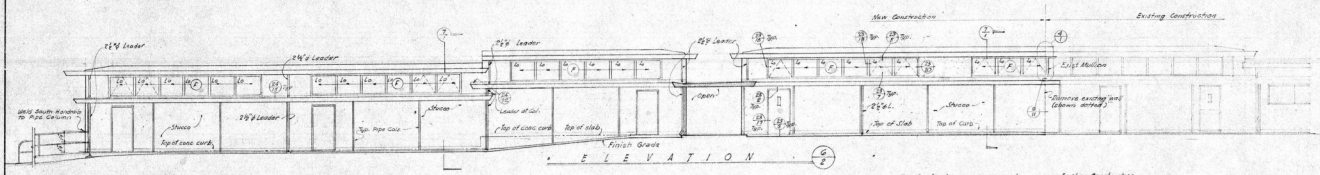
DATE 12-4-52

SHEET NO. 5

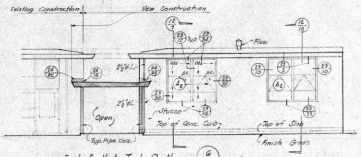
OF 19 SHEETS



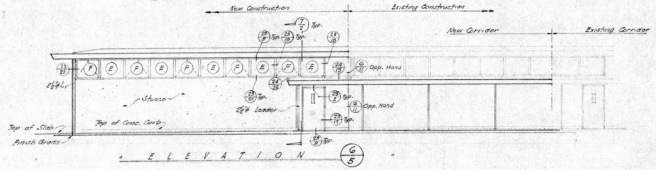
• E L E V A T I O N (G/1)



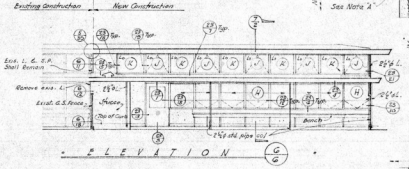
• E L E V A T I O N (G/2)



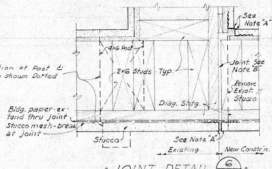
• E L E V A T I O N (G/3)



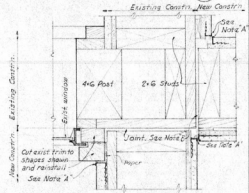
• E L E V A T I O N (G/5)



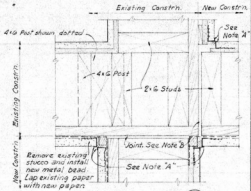
• E L E V A T I O N (G/6)



• JOINT DETAIL (G/11)



• JOINT DETAIL (G/12)

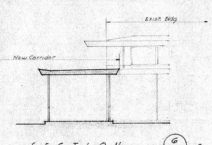


• JOINT DETAIL (G/13)

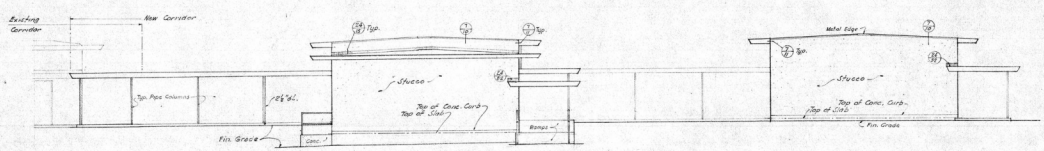
Scale of Details • 3"=1'0"

• NOTE 'A' • Install metal casing beads as shown, similar and equal to Milcor • 66 galvanized expanded casing bead, ⅞" deep on interior and ¾" deep on exterior. On the exterior, extend the existing paper through the joint and lap with the new paper. The stucco mesh shall stop at each joint but shall lap with the mesh of the bead on its side of the joint. On the interior, install the bead on the face of the jamb as shown. Nail all beads securely as shown and caulk all joints at beads.

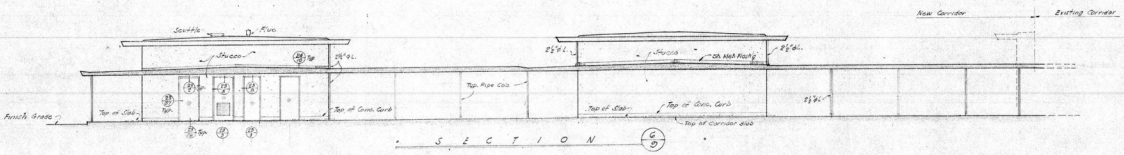
• NOTE 'B' • Provide a joint as shown. Do not nail new stud to existing construction, but fasten to top and bottom plates using typical nailing. Connect new top plate to existing structure with 'Universal' joist bracket or clip as shown on detail (12).



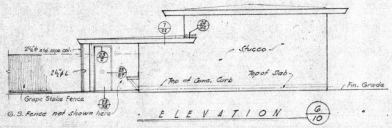
• S E C T I O N (G/7)



• E L E V A T I O N (G/8)

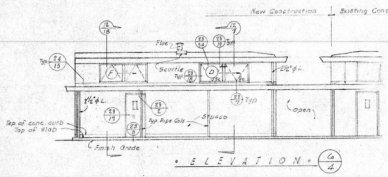


• S E C T I O N (G/9)

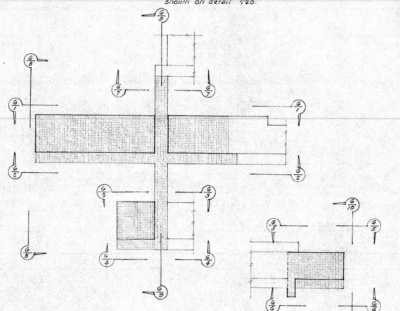


G.S. Fence not shown here

• E L E V A T I O N (G/10)



• E L E V A T I O N (G/4)



• K E Y T O E L E V A T I O N S •

Scale for all elevations ⅛" = 1'0"

• L E G E N D •

7/6	Sheet Number / Detail Number
La	Louver Blinds - See detail (12)
Vb	Venetian Blinds
Obs	Obscure Glass
Pl.	Plate Glass
L.	Leader
W.F.	Wood Fence
Sc	Screen

• N O T E •

Door & window frame detail references shown as "typical" shall apply to every respective condition for all items of similar in all rooms of that particular elevation, unless specifically noted otherwise.

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ELEVATIONS

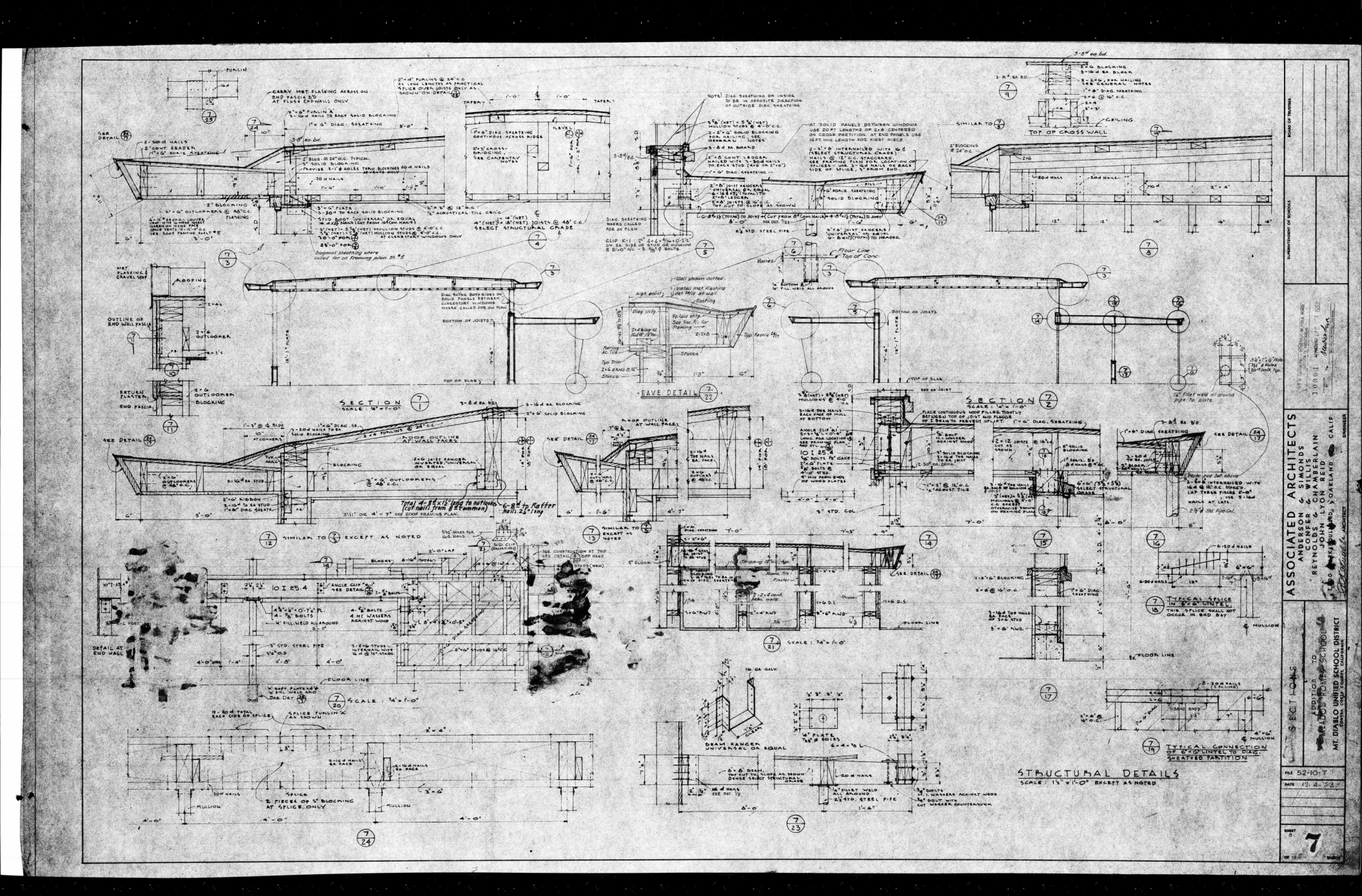
ADDITION TO MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T

DATE 12-4-52

SHEET 7 6 OF 19 SHEETS


SECTION
SCALE : 1/4" = 1'-0"
EAVE DETAIL
SECTION
SCALE : 1/2" = 1'-0"
SCALE : 3/4" = 1'-0"
SCALE : 3/4" = 1'-0"
STRUCTURAL DETAILS
SCALE : 1½" = 1'-0" EXCEPT AS NOTED
TYPICAL SPLICE IN 6"x6" LINTEL
THIS SPLICE SHALL NOT OCCUR IN END BAY
TYPICAL CONNECTION OF 6"x6" LINTEL TO DIAG. SHEATHED PARTITION
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
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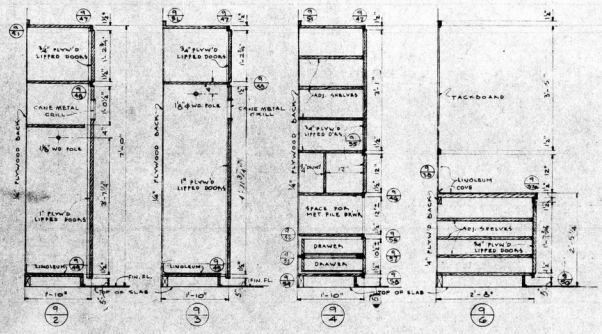
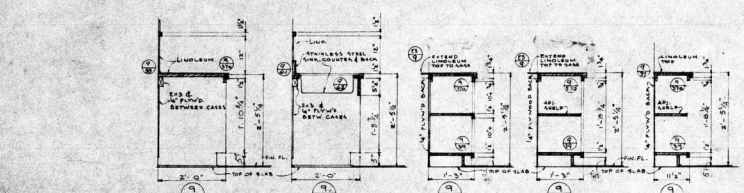
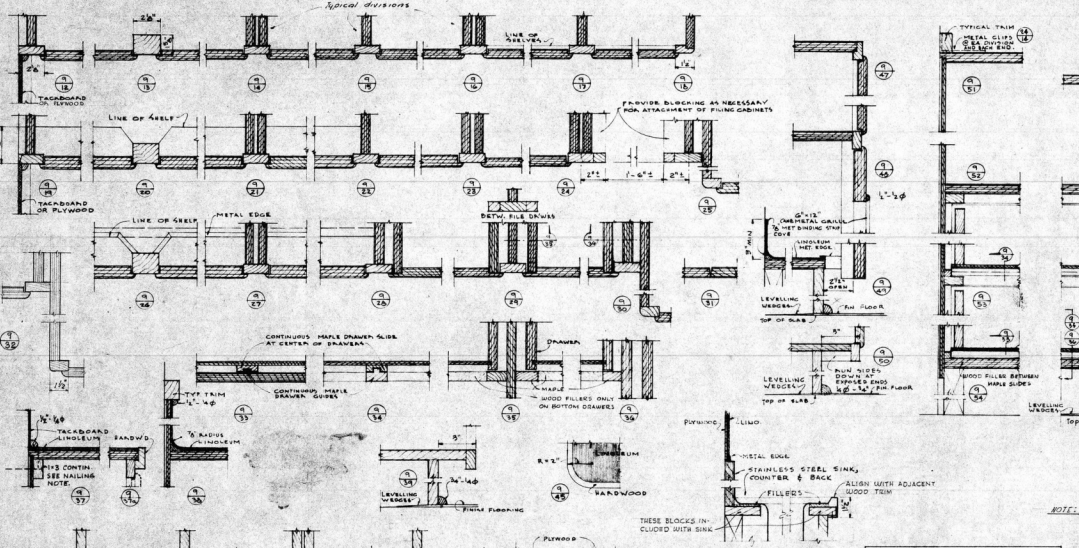
ADDITION TO
MT. DIABLO HIGH SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA
SELECT LOANS
FILE 52-10-7
DATE 12-4-52
SHEET 5
7
OF 19 SHEETS



CABINET SECTIONS

SCALE: 3/4" = 1'-0"

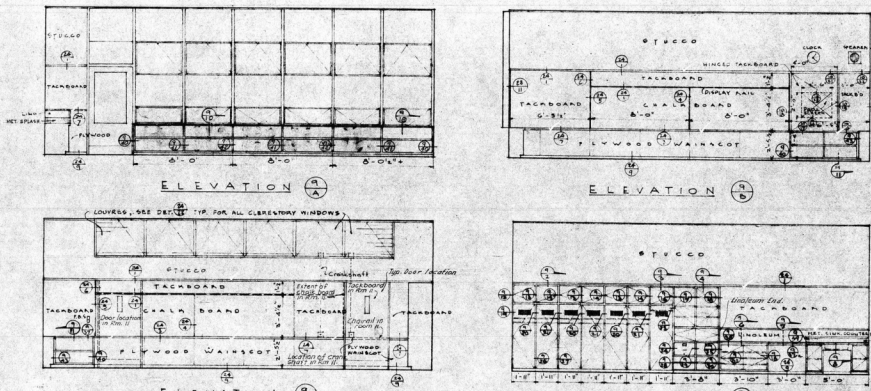




CABINET DETAILS

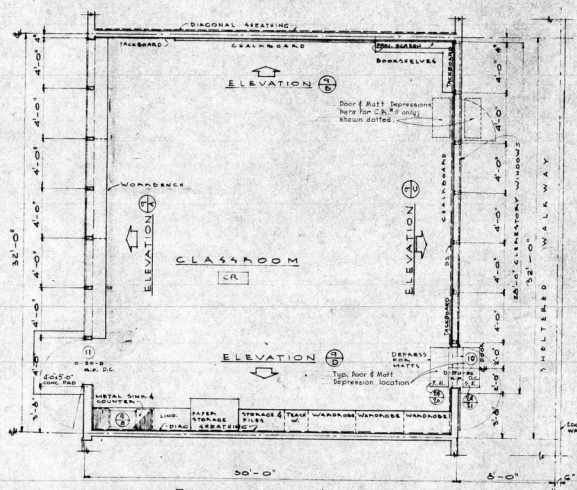
SCALE: 3" = 1'-0"

UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2½"



CLASSROOM ELEVATIONS

SCALE: 1/4" = 1'-0"



FLOOR PLAN

SCALE: 1/4" = 1'-0"

ALL CABINETS, EXCEPT THOSE HAVING METAL CLIPS DET. (9/52) AT THE TOP, SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10D NAILS TO EACH STUD OR BLOCK

NOTE:

Unless shown or noted otherwise the following notes shall apply to all cabinets.

1. Divisions which have adjustable shelves on both sides shall be ¾" net minimum thickness
2. All other ends and divisions of cabinets shall be ¾" thick.
3. All fixed shelves shall be rabbeted ½" into the ends & divisions and be glued. Where fixed shelves align on opposite sides of a division. They shall be installed with ½" dowels which go through the division & extend ½" min. into each shelf and be rabbeted as specified above. Use at least 2 dowels at each end of each shelf.

LEGEND

D-TO-RO	Lock Type
K.P.	Kick Plate
D.C.	Door Closer
R.M.	Rubber Mat
S.M.	Steel Mat
S.D.	Soap Dispenser
H.A.	Paper Handkerchief
T.B.B.	Cafe Bell Button

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ARCHITECT

CLASSROOM INTERIOR

ADDITION TO
MEADOW HOMES SCHOOL

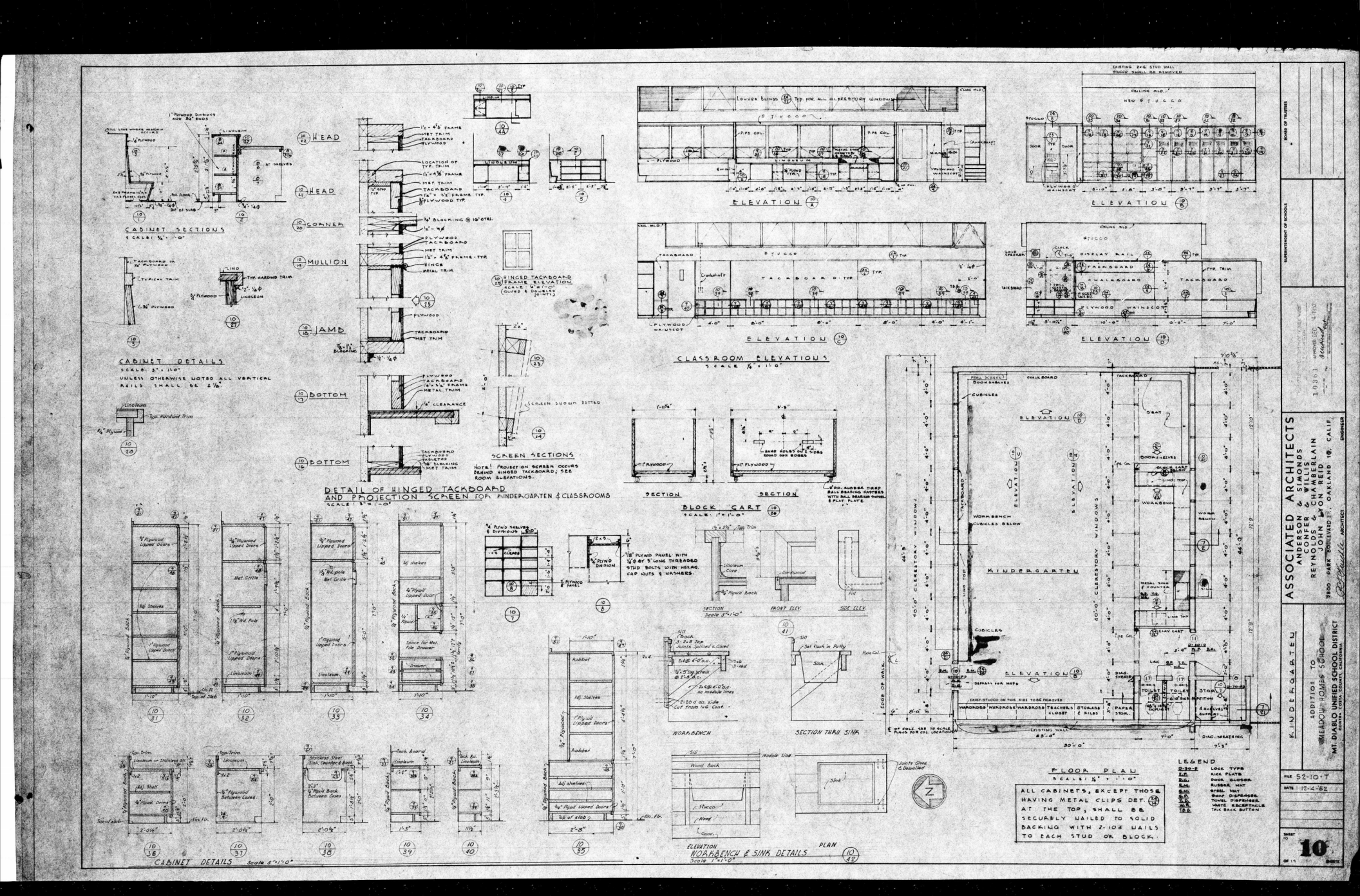
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

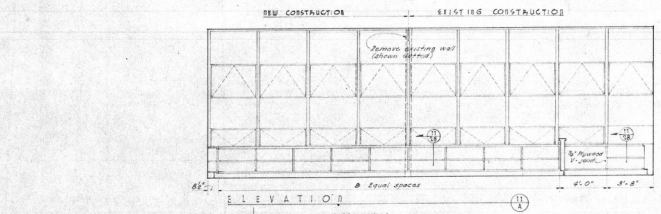
FILE 52-10-T

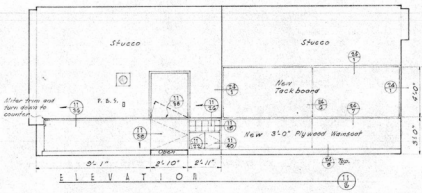
DATE 12-4-52

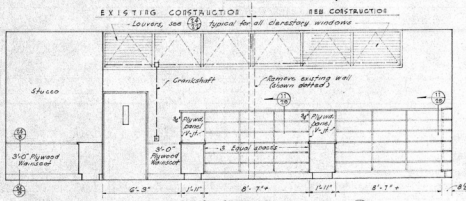
SHEET 9

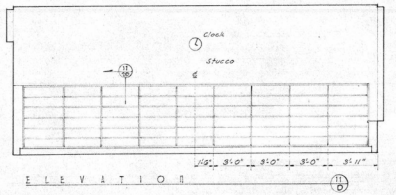
OF VII SHEETS

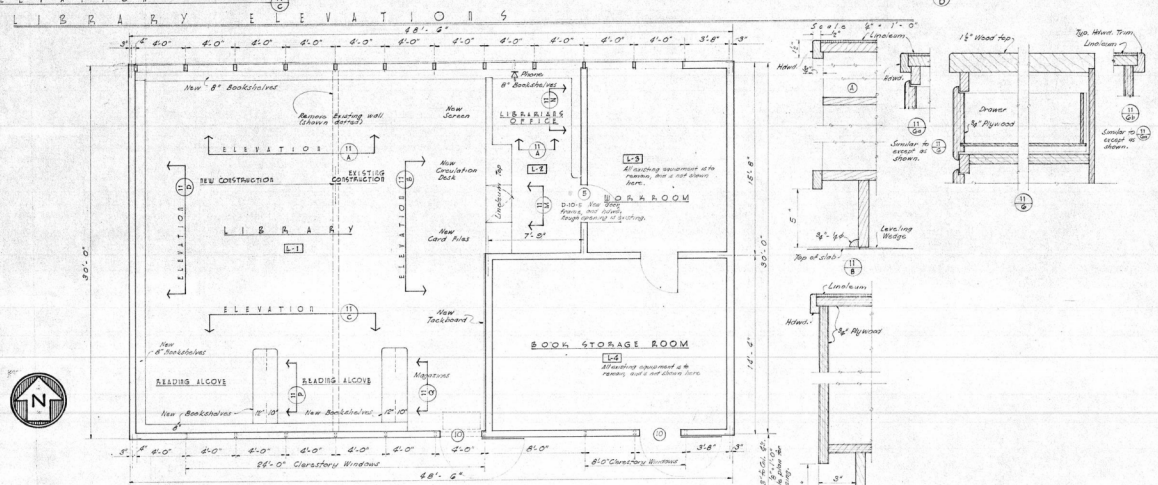

CABINET SECTIONS
SCALE: 3/4" = 1'-0"
CABINET DETAILS
SCALE: 3" = 1'-0"
UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2 1/8"
HEAD
HEAD
CORNER
MULLION
JAMB
BOTTOM
BOTTOM
HINGED TACKBOARD FRAME ELEVATION
SCALE: 1" = 1'-0"
SCREEN SECTIONS
NOTE: PROJECTION SCREEN OCCURS BEHIND HINGED TACKBOARD; SEE ROOM ELEVATIONS.
DETAIL OF HINGED TACKBOARD AND PROJECTION SCREEN FOR KINDERGARTEN & CLASSROOMS
SCALE: 3" = 1'-0"
CLASSROOM ELEVATIONS
SCALE 1/4" = 1'-0"
ELEVATION
ELEVATION
ELEVATION
ELEVATION
ELEVATION
SECTION
SECTION
BLOCK CART
SCALE: 1" = 1'-0"
SECTION
FRONT ELEV.
SIDE ELEV.
WORKBENCH
SECTION THRU SINK
ELEVATION
PLAN
WORKBENCH & SINK DETAILS
CABINET DETAILS
Scale 3"=1'-0"
FLOOR PLAN
SCALE: 1/4" = 1'-0"
KINDERGARTEN
MINDERGARTEN
ALL CABINETS, EXCEPT THOSE HAVING METAL CLIPS DET. AT THE TOP, SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK.
LEGEND
LOCK TYP.
KICK PLATE
DOOR CLOSER
RUBBER MAT
STEEL MAT
SOAP DISPENSER
TOWEL DISPENSER
WASTE RECEPTACLE
TALK BACK BUTTON
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD PT. OAKLAND 10, CALIF.
ARCHITECT
ENGINEER
ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
APPROVED DSA 4-1952
FILE 52-10-T
DATE 12-4-52
SHEET 10
10
OF 19 SHEETS

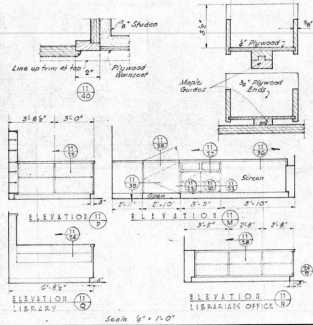


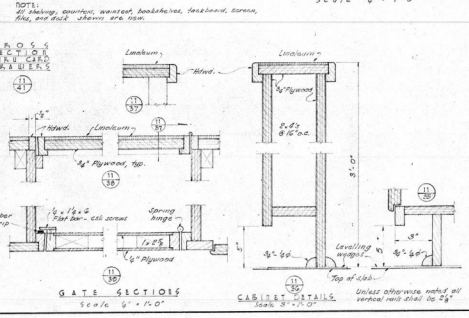




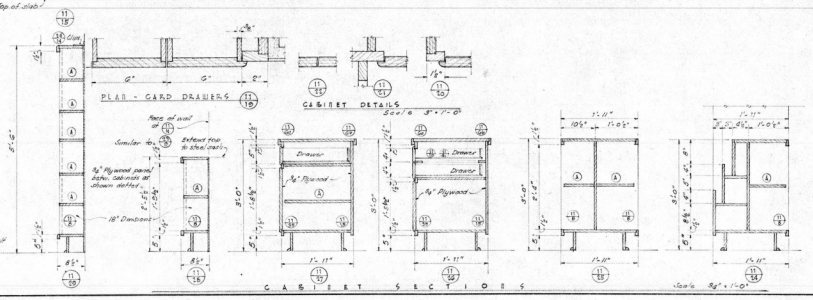








NOTES:
All shelving, countertop, wainscot, bookshelves, tackboard, screen, files, and desk shown are new.



NOTES:
(A) = Adjustable Shelf ¾" Thick

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

ENGINEER

BOARD OF TRUSTEES

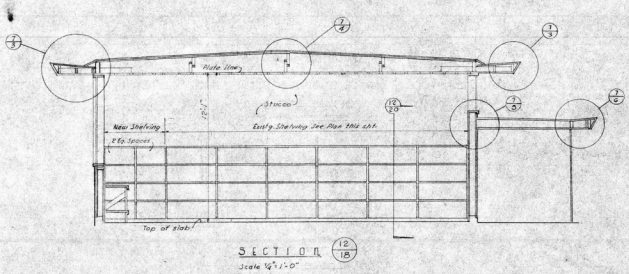
SUPERINTENDENT OF SCHOOLS

10961 APPROVED DEC 11 1952

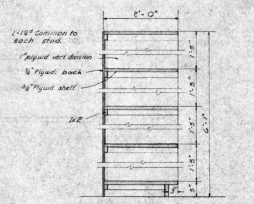
LIBRARY
ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T
DATE 12-4-52

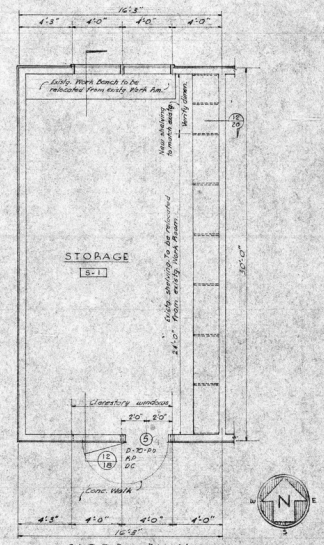
SHEET NO. 11
OF 19 SHEETS



SECTION (12/15)
Scale 1/4"=1'-0"

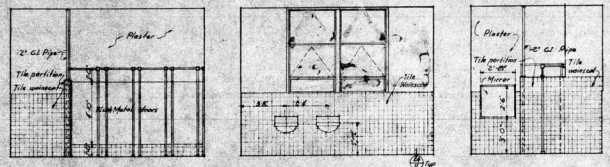


DETAIL (12/20)
Scale 3/4"=1'-0"

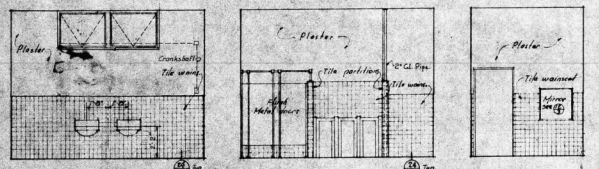


FLOOR PLAN
Scale 1/4"=1'-0"

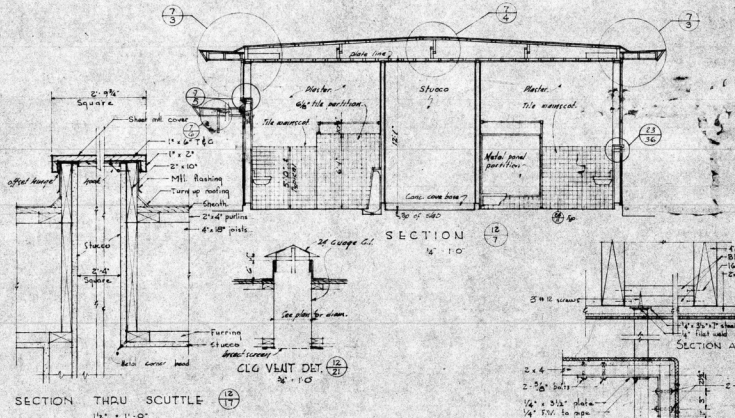
STORAGE UNIT



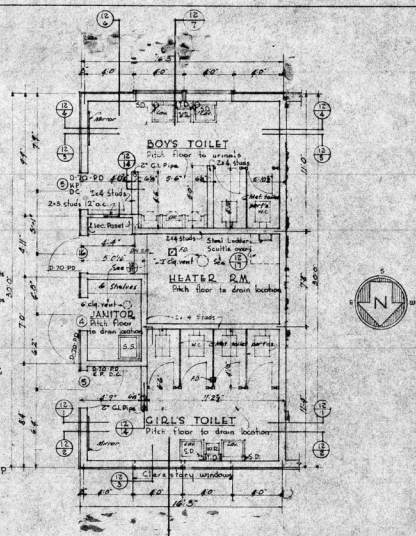
ELEVATION (12/1)
ELEVATION (12/2)
GIRL'S TOILET RM.
1/4" = 1'-0"
ELEVATION (12/3)



ELEVATION (12/4)
ELEVATION (12/5)
BOY'S TOILET RM.
1/4" = 1'-0"
ELEVATION (12/6)



SECTION (12/7)
1/4" = 1'-0"
SECTION THRU SCUTTLE (12/17)
1½" = 1'-0"
CLG VENT DET. (12/2)
3" = 1'-0"



FLOOR PLAN
1/4" = 1'-0"

TOILET UNIT

Note: Except as otherwise noted all interior partitions shall be 2"x 4" studs @ 16" o.c. and exterior walls shall be 2"x 6" studs @ 16" o.c. with 5/8" gyp board & 1/2" T1-11 siding or textured plywood.

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ARCHITECTS ENGINEERS

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED BY DIVISION OF THE STATE ARCHITECT
DATE 1-19-53
By [illegible]

TOILET AND STORAGE UNITS

ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T
DATE 12-4-52

SHEET 12 OF 19 SHEETS

GENERAL NOTES

Applying to all Structural Features unless greater requirements are shown or noted elsewhere.

1. **REFERENCE TO OTHER DRAWINGS.**
   (a) See Architectural Drawings for: kinds of floor finish and their location, depressions in floor slabs, openings in walls and floors required by doors, windows, ducts, vents, plumbing, etc., all types of flashing, inserts, anchorage, hangers, etc., embedded in or attached to the concrete structure; roadway paving, walks, stairs, ramps, curb walls, terraces, etc.; exterior grades; elevations of sloping roof surfaces and location of drains, etc.

2. **DIMENSIONS.**
   (a) Dimensions unless otherwise noted are to rough concrete surfaces.

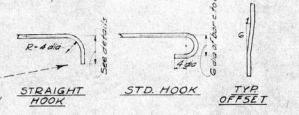
3. **DISCREPANCIES.**
   (a) The Contractor shall compare the Structural Drawings with the Architectural Drawings as to layout, dimensions and elevations. All discrepancies, if any, shall be reported to the Architect for proper adjustment before proceeding with the work.

4. **SPECIFICATIONS.**
   (a) The Specifications shall govern where information is not given in these General Notes or on the drawings.

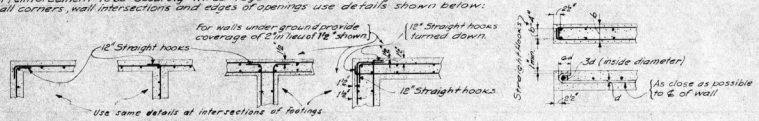
5. **OMISSIONS.**
   (a) In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.

6. **CONCRETE**
   (a) Design working stresses for concrete are based on an assumed ultimate compressive strength of 2500 #/□" at the age of 28 days.
   (b) See Specifications for specific requirements as to Concrete.

7. **STEEL REINFORCEMENT**
   (a) Use Structural grade steel. Intermediate Grade Steel may be used if it complies with bend and elongation requirements for Structural Grade Steel.
   (b) All reinforcing bars to be deformed bars complying with A.S.T.M. spec. A-305-49. Bars ⅜" and smaller may be plain bars.
   (c) All reinforcement shall be continuous. Laps at splices shall be at least 48 bar diameters.
   (d) Standard hooks and offsets to be as shown here unless otherwise detailed on drawings.
   (e) Suitable devices of some standard manufacture shall be used to hold reinforcement in its true horizontal and vertical positions. These devices shall be of a CONTINUOUS Type sufficiently rigid and numerous to avoid displacement of the reinforcement during the placing of the concrete. All such devices shall be submitted to and receive the approval of the Architect before being used.
   (f) The Contractor shall submit to the Architect for approval, complete bending and placing details of all reinforcement for this work. These details shall include the diagrammatic elevation of all walls to a scale sufficiently large to show clearly the position and erection marks of all marginal bars around openings, dowels, splices, etc. for these bars.



8. **WALLS.**
   (a) See Architectural Drawings for concrete walls not shown on Structural Drawings.
   (b) All walls shall have typical reinforcement even though no reinforcement is shown on the drawings unless specifically noted "Not Reinforced". Typical wall reinforcement shall be as follows:
   For 6" walls and under - ½" @ 18" ctrs. each way, in center of wall.
   For 8" to 12" walls - ½" @ 18" ctrs. each way each face at 1'6" clear from steel to face of wall.
   (c) Wall reinforcement to be securely wired together at all crossings.
   (d) At all corners, wall intersections and edges of openings use details shown below:

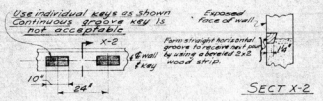


   (e) Around all edges of openings use following marginal bars:
   1-½" for walls 8" thick and under.
   2-⅜" for walls over 8" thick.
   Project these bars 2'-6" beyond all corners; use standard circular hook when projection of 2'-6" is impossible.

9. **DOWELS.**
   (a) At junctions of walls and footings with slabs resting on ground, use ½" dowels at 18" ctrs. projecting 2'-0" into slab from inside face of wall or footing. Project dowels to 2" from outer face of wall or footing and terminate in 12" straight hook.

10. **SLABS ON GROUND.**
    (a) See Typical Details on next sheet for various slabs on ground. At wall and footing provide dowels as noted in Paragraph 9a.

11. **CONSTRUCTION JOINTS.**
    (a) For construction joints in General see Specifications.
    (b) Use following procedure for construction joints:
    While the surface of concrete at construction joint is still soft provide keys at 36" ctrs. 4" deep x 9" long x 4" wide for 6" and 8" walls; 1' deep x 10" long x 6" wide for walls 10" thick and over. In addition the entire surface of construction joints shall be thoroughly roughened with suitable mechanical tool within 48 hours after pour. Just prior to depositing of new concrete, the surface of construction joint shall be thoroughly cleaned and wetted and a coat of 1:2 cement mortar shall be slushed on the surface.



12. **FOUNDATIONS**
    (a) Except where otherwise shown excavation shall be made as near as possible to the neat lines required by the size and shape of the structure. No unnecessary material is to be excavated. See Foundation Plan for additional Data.
    (b) Walls against which backfill is placed shall be adequately shored until construction bracing the walls has been erected and has attained its strength. Backfill shall be placed in layers not exceeding 6" in depth. Each layer shall be moistened as directed, and thoroughly compacted prior to placing the next layer. See Specifications.

13. **STRUCTURAL STEEL.**
    (a) All struct. steel shall conform to the A.I.S.C. Spec. for Design, Fabricat. & Erection of Struct. Steel for Bldgs. 5th edition 1946 and Title 8 (formerly Appendix "A") of dept of Public Works, State of Calif. The struct. steel shall conform to the Spec. of the A.S.T.M. for Steel for Bridges & Bldg. Str. Desig. A7-46 as amended to date. For Pipe Columns, see Specifications (Grade B).
    The Contractor shall submit for approval to the Architect a complete set of shop drawings.
    (b) Paint. See Specifications.

14. **EXISTING CONSTRUCTION.**
    (a) Existing construction shown on the drawings was obtained from existing drawings. The Contractor shall verify all existing conditions, and shall notify the Architect of all exceptions before proceeding with the work.
    (b) The removal, cutting, drilling, etc. of existing work shall be performed with great care and small tools, in order not to jeopardise the structural integrity of this Building. If structural members not indicated for removal interfere with the new work, the Architect shall be immediately notified and prior approval obtained before removal of members.
    (c) The Contractor shall safely shore existing construction wherever existing supports are removed to allow the installation of the new work. The existing construction shall be connected and/or embedded into the new construction as shown or specified.

15. **CARPENTRY**
    (a) Joists. Provide: Full bearing at all supports. Lap joists 9" min over supports wherever possible. 2" Solid Blocking at supports and under partitions at right angles to joists. 2x3 Cross bridging at midspan for spans 8 ft. to 16 ft., for greater spans, spacing of bridging shall not exceed 8'-0". Omit cross bridging for roof and ceiling joists 8 inches and under in depth. Double joists under all partitions parallel to joists.
    All Redwood.
    (b) Partitions.
    Use single bottom plate and double top plate; stagger joints in upper and lower members of top plate not less than four feet. Provide one row of solid herringbone bridging at mid-height except that at gable ends and partitions higher than 13 ft. provide two rows. Bolt plates to concrete with ⅜" bolts spaced @ 4'-0" cc. See "Typical Detail of Bolting wood plate to concrete," Sheet 22.
    (c) Sheathing.
    Diagonal Sheathing and subfloor shall be laid diagonally at an angle of 45° to joist or studs. Boards shall be accurately cut to center of bearings. For Typical Splicing of diagonal sheathing in roofs and walls, see details on sheet 22.
    (d) Bolts.
    Bolt holes in wood shall be drilled net size of bolt. Bolt threads shall not bear on wood or steel. Use Standard Malleable Iron Washers against wood: 3" dia x ⅛" thick for ⅜" bolts, 3" dia x ¼" thick for ½" bolts, 2½" dia x ¼" thick for ⅝" bolts, 2½" dia x 4" thick for ¾" bolts.
    (e) Nailing Schedule.
    All wood members thruout shall be connected together with nailing listed in this schedule unless a greater number of nails is shown or called for elsewhere on drawings. All nails shall be common wire nails. Wherever the nailing specified tends to split the wood, holes for nails shall be sub-bored. Split members shall be taken out and replaced.

Lapped joists	4-16d Nails	Crossbridging between joists	2-8d toe nails ea end
Joists, Rafters or Trusses at all Bearings	2-16d " " each side	Herringbone Blocking	2-10d ea end
Studs to bearings	2-10d " " "	Double Top Plates	
Blocking between joist, rafters or trusses to joist, rafter, or truss	2-16d toe nails each side end	Lower plate to top of stud	2-20d nails
to plate (on which joist rests)	2-16d " " ea side	Upper to lower plate	16d @ 16" cc.
to wood girder (on which joist rests)	2-16d " " "	Bottom Plate	
Blocking to blocking	3-16d ea. block	To joists and blocking supporting partition	20d @ 16 cc.
Continuous Headers to joists (2x8 & smaller)	2-20d	Multiple Studs: Inter nail with 16d @ 12" cc. (See details for stud arrangement on next sheet)	
" " " (2x10 & larger)	3-20d	Laminated Joists: Inter nail with 16d @ 12" cc.	
Square laid Sheathing 1x6	2-8d at all bearings	Double Joists under Partitions	
1x8	3-8d " " "	where not blocked apart	16d @ 12" cc.
Diagonal Sheathing 1x6	3-8d at ends of all boards; 2-8d at intermediate bearings	where blocked apart (for piping)	2-20d at ea block ea joist
1x8	4-8d at ends of all boards; 3-8d at intermediate bearings	Ribbons: 2" nominal	2-16d ea stud
½" Sheathing ⅜" nom.	2-16d at all bearings	1" nominal	2-8d ea stud
Furring Strips 2-16d Nails at ea. bearing	1 face nailed, 1 Slant nailed	Joists or Rafters to side of studs: For 8 joists or less	3-16d
		For each additional 4" in depth of joist	1-12d
Miscellaneous:	All 2" material shall be nailed with 2-16d in end. 1" material with 3-8d at each bearing. 2" material laid over sheathing shall be nailed with 30d nails.		

    (f) Wood Preservative.
    For preservative treatment of wood in contact with concrete and/or masonry or for wood within 8 feet of ground surface, see specifications.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

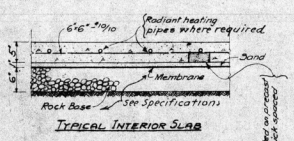
DATE 10-30-51 APPROVED AS TO FORM
10361 APPROVED
4-1952
Superintendent of Schools
By [illegible] Deputy

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
WILLIAM W. WURSTER
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT — ENGINEER

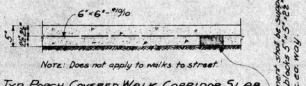
GENERAL NOTES.
ADDITION TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T
DATE 12-4-52

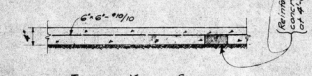
SHEET 15 21 OF 15 SHEETS



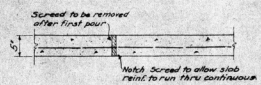
TYPICAL INTERIOR SLAB



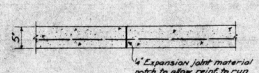
TYP PORCH, COVERED WALK, CORRIDOR SLAB



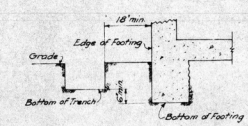
TYPICAL YARDS SLAB



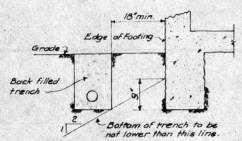
COLD JOINT DETAIL



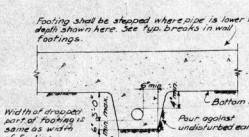
EXPANSION JOINT DETAIL



OPEN TRENCH

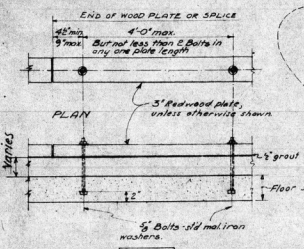


PIPE IN BACK FILLED TRENCH

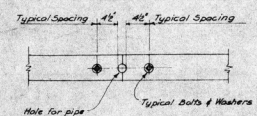


PIPE UNDER FOOTING

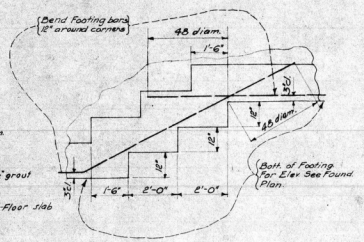
TYPICAL DETAILS OF PIPES AND TRENCHES NEAR FOOTINGS.



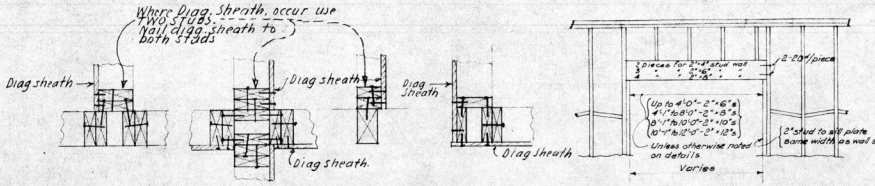
TYPICAL DETAIL OF BOLTING WOOD PLATE TO CONCRETE

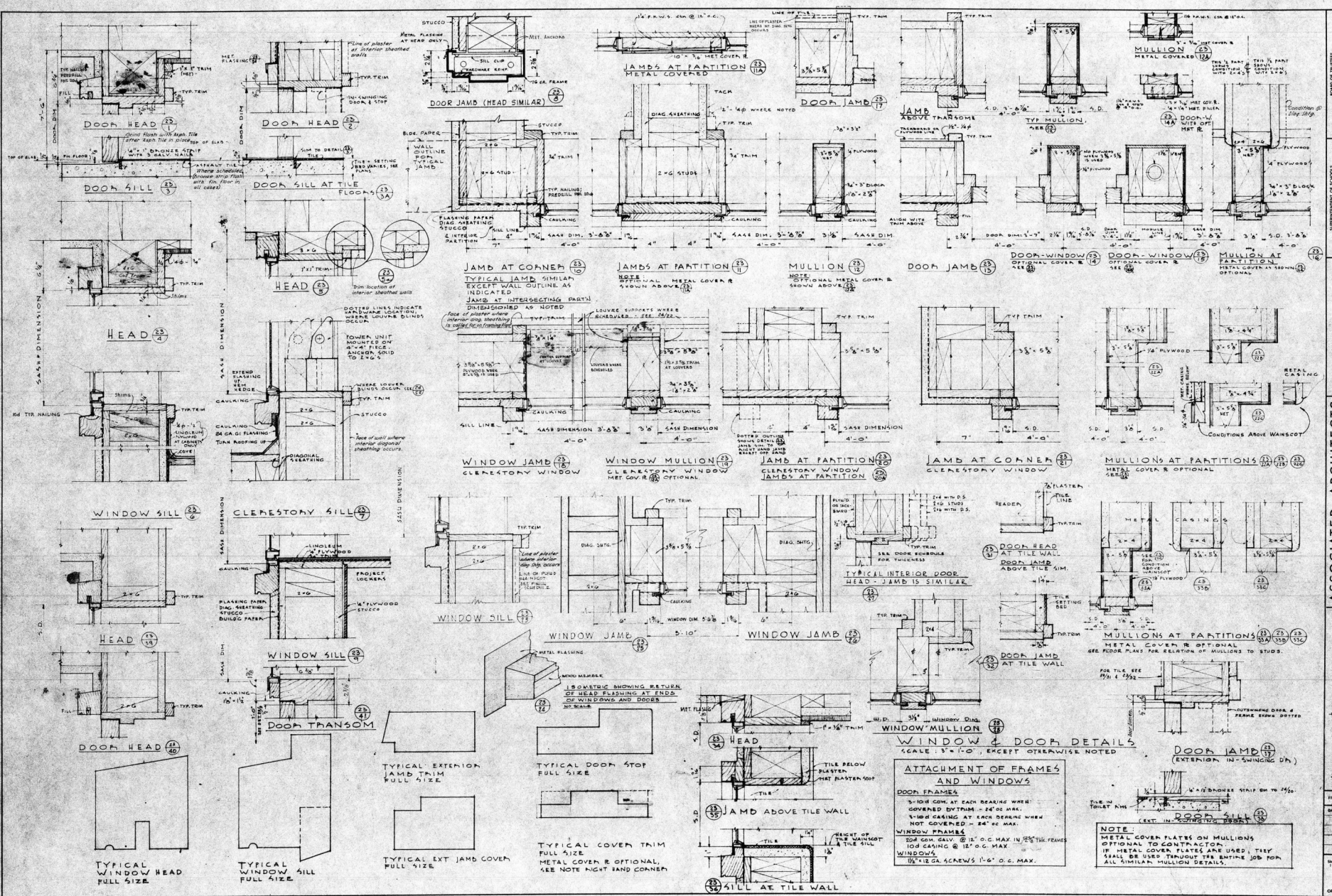


DETAIL OF SILL PLATE BOLTING FOR ALL WALLS WHERE O.D. OF PIPE EXCEEDS ⅓ OF NET STUD DIMENSION



TYP BREAKS IN WALL FTGS


Where Diag. Sheath. occur use Two studs. Nail diag. sheath to both studs
Diag sheath
Diag sheath
Diag sheath



ATTACHMENT OF FRAMES AND WINDOWS

DOOR FRAMES

3-10d COM. AT EACH BEARING WHEN GOVERNED BY TRIM - 24" OC MAX.
3-10d CASING AT EACH BEARING WHEN NOT GOVERNED - 24" OC MAX.

WINDOW FRAMES

20d GOM. GALV. @ 12" O.C. MAX. IN 2x6 THK. FRAMES
10d CASING @ 12" O.C. MAX.

WINDOWS

1½" x 12 GA. SCREWS 1'-6" O.C. MAX.

NOTE:
METAL COVER PLATES ON MULLIONS OPTIONAL TO CONTRACTOR. IF METAL COVER PLATES ARE USED, THEY SHALL BE USED THROUGH THE ENTIRE JOB FOR ALL SIMILAR MULLION DETAILS.

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JOHN LYON REID
2300 PARK BOULEVARD, OAKLAND 10, CALIF.

ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

WINDOW & DOOR DETAILS

FILE 52-10-T
DATE 12-4-52

SHEET NO. 23 OF 19 SHEETS

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
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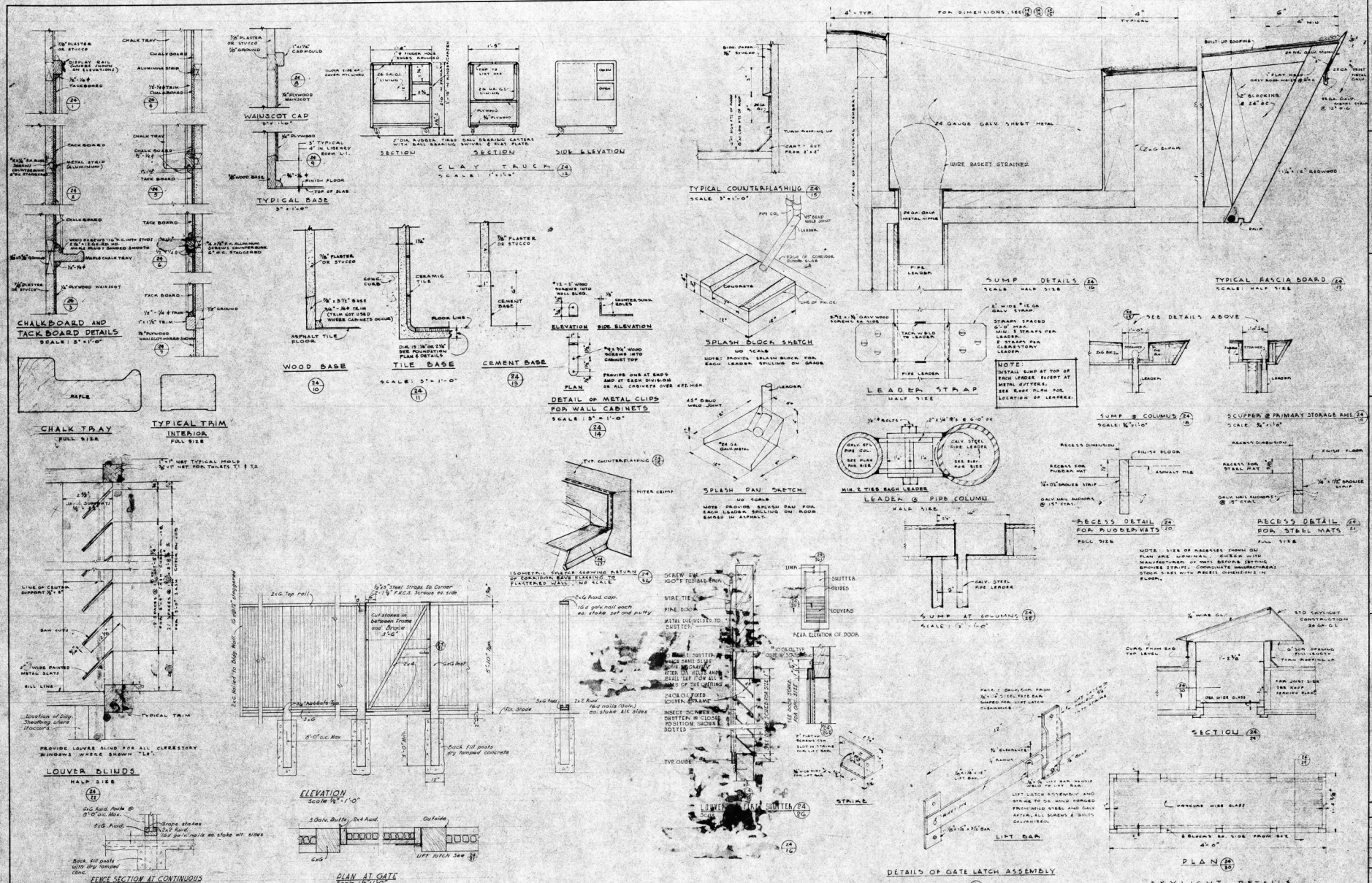
ARCHITECT



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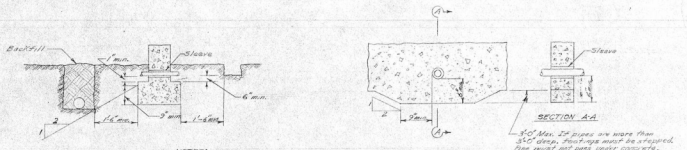
ENGINEER

MISCELLANEOUS DETAILS

ADDITION TO
MEADOW HOMES SCHOOLS
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

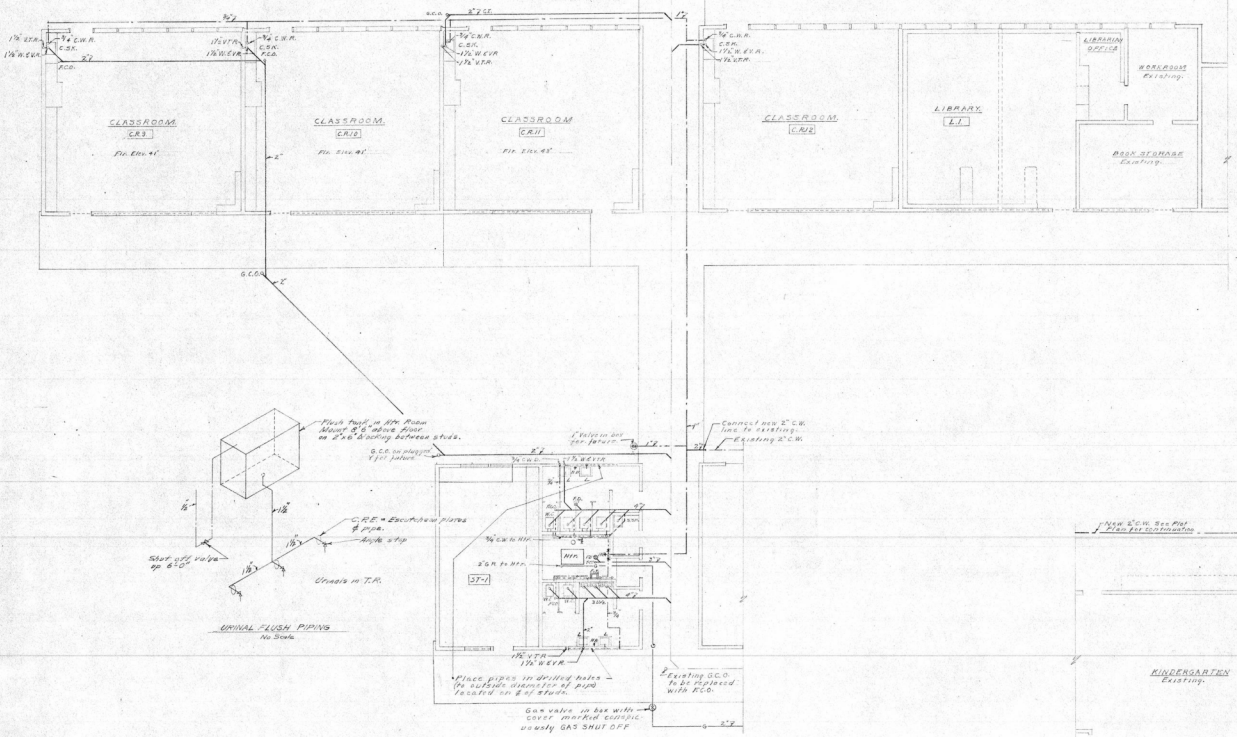
FILE 52-10-T
DATE 12-4-52

SHEET 16
24
OF 19 SHEETS



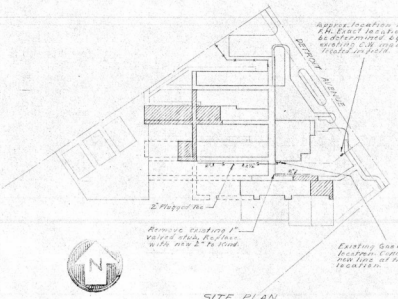
NOTES:
1. Pipes must not pass under concrete footings.
2. Footings must be lowered (when necessary) to obtain the above conditions.
3. Provide sleeves for all pipes passing thru concrete.
4. No pipes to be embedded in concrete.

TYPICAL RELATIONS OF PIPES AND TRENCHES TO FOOTINGS
No Scale



URINAL FLUSH PIPING
No Scale

CLASSROOM UNIT PLAN
Scale ⅛"=1'0"



SITE PLAN
Scale: 1"=100'-0"

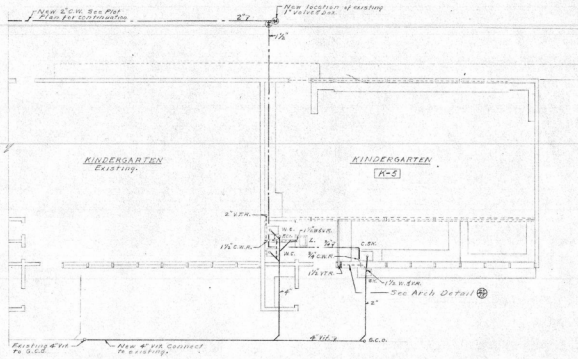
PIPING SCHEDULE - FIXTURE CONNECTIONS				
Fixture	Symb.	S. or W.	Vent	C.W.
Water Closet	W.C.	4"	2"	1½
Urinal (Flush Tank	Ur.	2"	1½	½
Lavatory	L	1½	1½	½
Sink (Outdoor)	SK.	1½	1½	½
Classroom Sink	C.SK.	1½	1½	½
Service Sink	S.SK.	1½	1½	½
Drinking Fitn.	D.F.	1½	1½	½

SYMBOLS

F.D.	Floor Drain
H.B.	Hose Bibb
W.	Waste drop
V.P.	Vent Pipe
V.T.R.	Vent Thru Roof
F.C.O.	Floor Clean Out
S.C.O.	Grade Clean Out
H.R.	Hose Reel
C.R.(H.D)	Cold Water, Hose or Drop.
F.H.	Fire Hydrant.

LINE LEGEND

	Soil or Waste
	House Sewer
	Vent
	Cold water
	Gas
	Gate Valve
	Gas Cock
	Valve or Cock in box.



BOARD OF TRUSTEES

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10861 APPROVED DEC 4 1952

CLYDE E. BENTLEY
2741 TWIG WAY OAKLAND 22
OR 7-2222 JOHN 2-2222

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ARCHITECT

ENGINEER

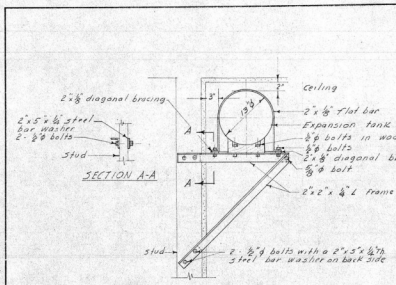
PLUMBING

ADDITION TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

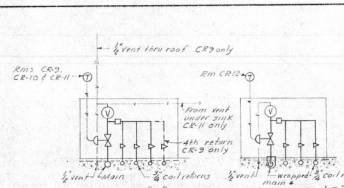
FILE 52-10-T

DATE 12-4-52

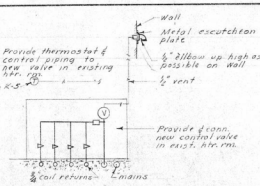
SHEET 11 OF 17 SHEETS 25



EXPANSION TANK HANGER DETAIL
One shown - Two required per tank
Scale: 1"=1'-0"

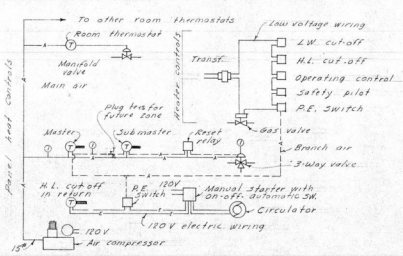


MANIFOLD "A" MANIFOLD "B"

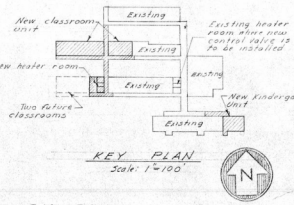


MANIFOLD "C"

MANIFOLD BOX DETAILS
Not to scale



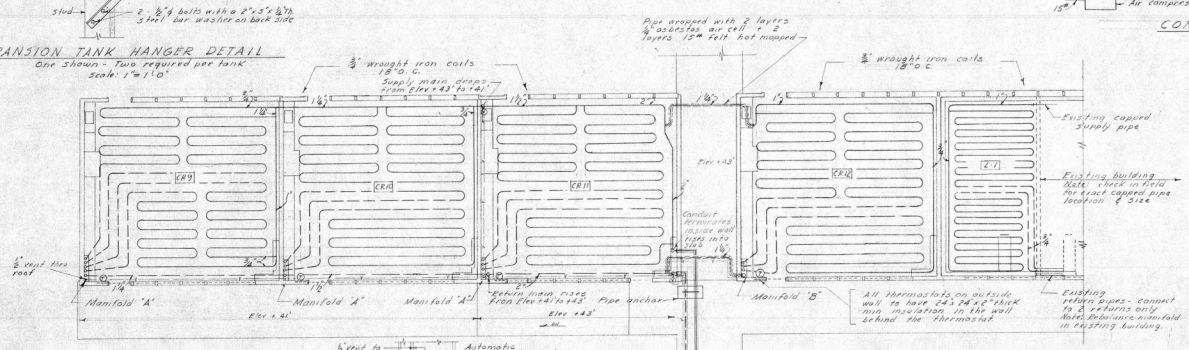
CONTROL DIAGRAM
No Scale



KEY PLAN
Scale: 1"=100

SYMBOLS

Supply - preinsulated conduit	Balancing cock
Return: "	Drain valve
Supply - Wrapped w/insul.	Relief valve
Return: "	ATF Airtrol tank fitting
Hot water supply	ABF Air bufer fitting
Hot water return	SWF Safety water feeder
Vent line	Thrmometer
Cold water	Temperature control
Gas pipe	Thermostat (Outdoor bulb)
Air line	Circulator
Elect wiring	Automatic air vent
Three way control valve	Gauge
Gate valve	Thermometer test well
Pressure regulating valve	Manifold
Control valve	Strainer
check valve	

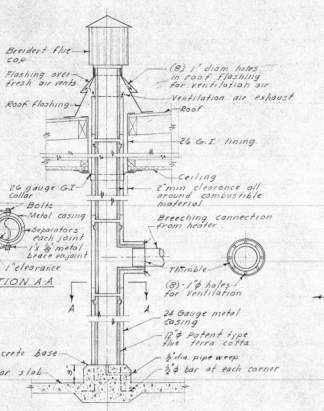


HEATER SCHEDULE					
Make	Model	Output AGA	Input AGA	Flue	Gas Conn
American Standard	4-GF-6	410Mb/hr	570 Mbh/hr.	11"ø	2"

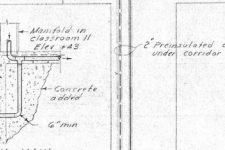
CIRCULATOR SCHEDULE							
Make	Size	GPM	Head	HP	Voltage	Cycle	Starter
B&G	2 1/2"	35	13'	1/4	120V	60 - 1Ø	Manual

EXPANSION TANK SCHEDULE			
Size	Capacity	Working pressure	Weight
13"ø x 71"	40 Gal	100 PSI	400#

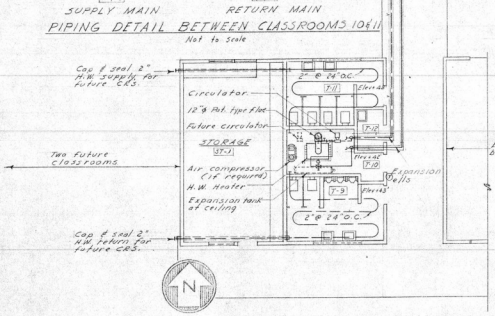
Notes:
1. All pipe sizes given on this sheet are nominal i.p.s.
2. For continuation of gas and cold water piping in heater room see plumbing drawing.



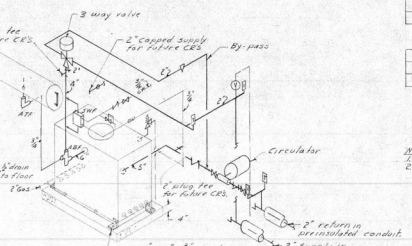
FLUE DETAIL
Scale: 1/2"=1'-0"



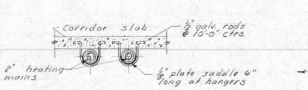
PIPING DETAIL BETWEEN CLASSROOMS 10 & 11
Not to scale



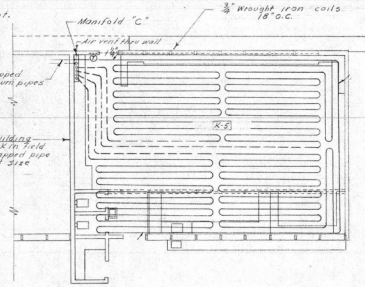
CLASSROOM UNIT PLAN
Scale: 1/8"=1'-0"



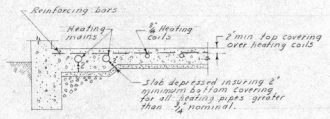
SCHEMATIC PIPING DIAGRAM
Not to scale



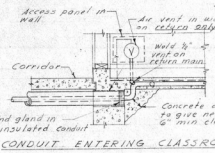
CONDUIT HANGER UNDER SLAB



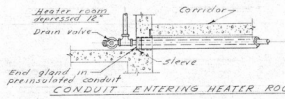
KINDERGARTEN UNIT PLAN
Scale: 1/8"=1'-0"



TYPICAL SLAB DETAIL
Not to scale

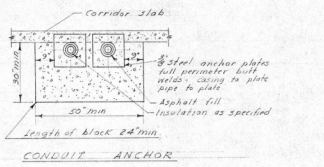


CONDUIT ENTERING CLASSROOM



CONDUIT ENTERING HEATER ROOM

UNDERGROUND CONDUIT AND ANCHOR DETAILS
Scale: 1/2"=1'-0"



CONDUIT ANCHOR

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

10361 APPROVED DSA 4 1952
CLYDE E. BENTLEY
STRUCTURAL ENGINEER

ASSOCIATED ARCHITECTS
SIMONDS ANDERSON & CHAMBERLAIN
REYNOLDS JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ENGINEER ARCHITECT

HEATING

ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-T
DATE 12-4-52

SHEET 18
26
OF 49 SHEETS

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATTS	LOCATION	MOUNTING	MOUNT HT.
A	SILVRAY, CONCENTRIC GLASS FIXTURE, CAT. NO. 1502-3-S.B. OR TO MATCH EXIST.	500 W. S.B.	CLASSROOM	SURFACED	9'-6" ± TO BOTTOM
B	SMOOT HOLOPAK "CEILING LITE", CAT. NO. LH-1110	2-75 W.	TOILETS	CEILING	——
C	PERKOLITE RECESSED FIXTURE, CAT. NO. 1010-6813, WITH GLOBE	100 W.	CORRIDOR	RECESSED	——
D	PERKOLITE RECESSED FIXTURE, CAT. NO. 1010-6813	150 W.	KINDERGARTEN	RECESSED	——
E	HOLOPAK CAST ALUMINUM BRACKET FIXTURE, CAT. NO. 843	150 W.	EXTERIOR	WALL	AS NOTED
F	SMOOT HOLOPAK "SNAPLOCK" PRISM REFLECTOR, CAT. NO. 12816	200 W.	HEATER RM.	CEILING	——
F-1	SAME AS TYPE "F" EXCEPT FOR (50W), CAT. NO. 12814	150 W.	JAN. RM.	CEILING	——
G	SMOOT HOLOPAK CEILING MOUNTED FIXTURE, CAT. NO. 4-7-18	60 W.	SMALL TOILETS	CEILING	MOUNT NEXT TO SKYLIGHT
H	ACABAU LAMP HOLDER, KEY LESS, CAT. NO. AL-3741	100 W.	STOR. RM.	CEILING	——

PANELBOARD SCHEDULE

PANEL	F		G		H	
DESCRIPTION	CIR. BKR.		CIR. BKR.		CIR. BKR.	
	MC	CIRC.	MC	CIRC.	MC	CIRC.
PLUG MOUNTED	J				J	
SURFACE MOUNTED			J			
TYPE NEMA BREAKER	J		J		J	
1 POLE - 20 AMP.	SPARE		6	1-6	24	1-24
						19-24

NOTES:
1. PANEL "G" SHALL HAVE DOUBLE LUGS.
2. PANELS "G" & "H" SHALL HAVE WARD LEONARD, OR EQUAL, RELAYS FOR NIGHT LIGHTS MOUNTED WITHIN PANEL.

SINGLE LINE WIRING DIAGRAM

NOT TO SCALE

EXIST. MAIN BREAKER

NEW 100A 3 POLE 200 AMP. TYPE "MAIN" CIRCUIT BREAKER MOUNTED IN TRIM OF MAIN PANEL INSIDE CR ENCLOSURE

INSTALL NEW 3 POLE 100 AMP. "F" FRAME BREAKER, 30 AMP TRIP, FOR PANEL "G" IN EXISTING SPACE.

EXIST. MAIN DISTRIBUTION PANEL

INSTALL NEW 3 POLE 225 AMP. "K" FRAME BREAKER, 150 AMP TRIP, FOR PANELS "G" & "H" IN EXIST. SPACE.

NEW SANGAMO TYPE C-10 TIME CLOCK FOR NIGHT LIGHTS MOUNTED OUT FROM OR MAIN PANEL INSIDE OR CR ENCLOSURE.

WIRED, LEONARD, BULL "FOR 1 POLE, 20 AMP. RELAY, FOR NIGHT LIGHTS, MOUNTED IN PANELS "G" & "H" AS INDICATED BY "J" IN M.C. EXIST. 1 POLE BREAKER TIMED BY TIME CLOCK. NOTE: RELAY IN PANEL "F" FOR NIGHT LIGHTS SHALL BE 2 POLE, 30 AMP.

FLOOR PLAN

SCALE 3/8" = 1'-0"

STUB 2-1" CONDUITS FROM PANEL "G" OUT UNDERGROUND AND CAP FOR FUTURE

STUB 3-1" CONDUITS FROM TERM. CAB. OUT UNDERGROUND AND CAP FOR FUTURE.

CAP FOR FUTURE

STUB CONDUITS OUT UNDERGROUND & CAP FOR FUTURE

1/2" CONDUIT ONLY, CLOCKS

1" CONDUIT ONLY, FIRE ALARM

1 1/4" CONDUIT ONLY, P.A.

1/2" C. 2#12 & 1#12 GR. TO CLOCK, TERM. CAB.

1/2" C. 2#12 & 1#12 TO P.A. TERM. CAB.

1/2" C. 2#12 & 1#12 TO CLOCK, TERM. CAB.

2-8"x12"x4" TERM. CAB. IN PASSAGE FOR THE FOLLOWING: CLOCK & FIRE ALARM SIGNALING; PUBLIC ADDRESS

1/2" C. 2#12 & 1#12 (INCLUDES CHARGE) FOR CLOCK & P.A. SYSTEMS

1/2" C. 2#12 & 1#12 (INCLUDES SPARES) FOR P.A. SYSTEM.

EXIST. CLOCK & FIRE ALARM TERM. CAB. CONNECT TO EXIST. 1/2" CONDUIT STUBBED OUT & CHECK EXACT EXIT OR PATH OF NEW WIRING TO THIS TERM. CAB. TO WALL BOARD & FIRE ALARM PANEL IN SECRETARY'S OFFICE.

CONNECT TO EXIST CONDUITS STUBBED OUT, PICK UP WIRE AT EXIST. OUTLET

EXIST. WALL TO BE REMOVED

LIBRARY

WORK RM.

BOOK STORAGE

NOTE: PULL IN NEW WIRING IN REQUIRED CONDUIT SYSTEM AS DIRECTED BY ARCHITECT

EXIST. FIXTURE

EDGE OF EXIST. CORK BOARD

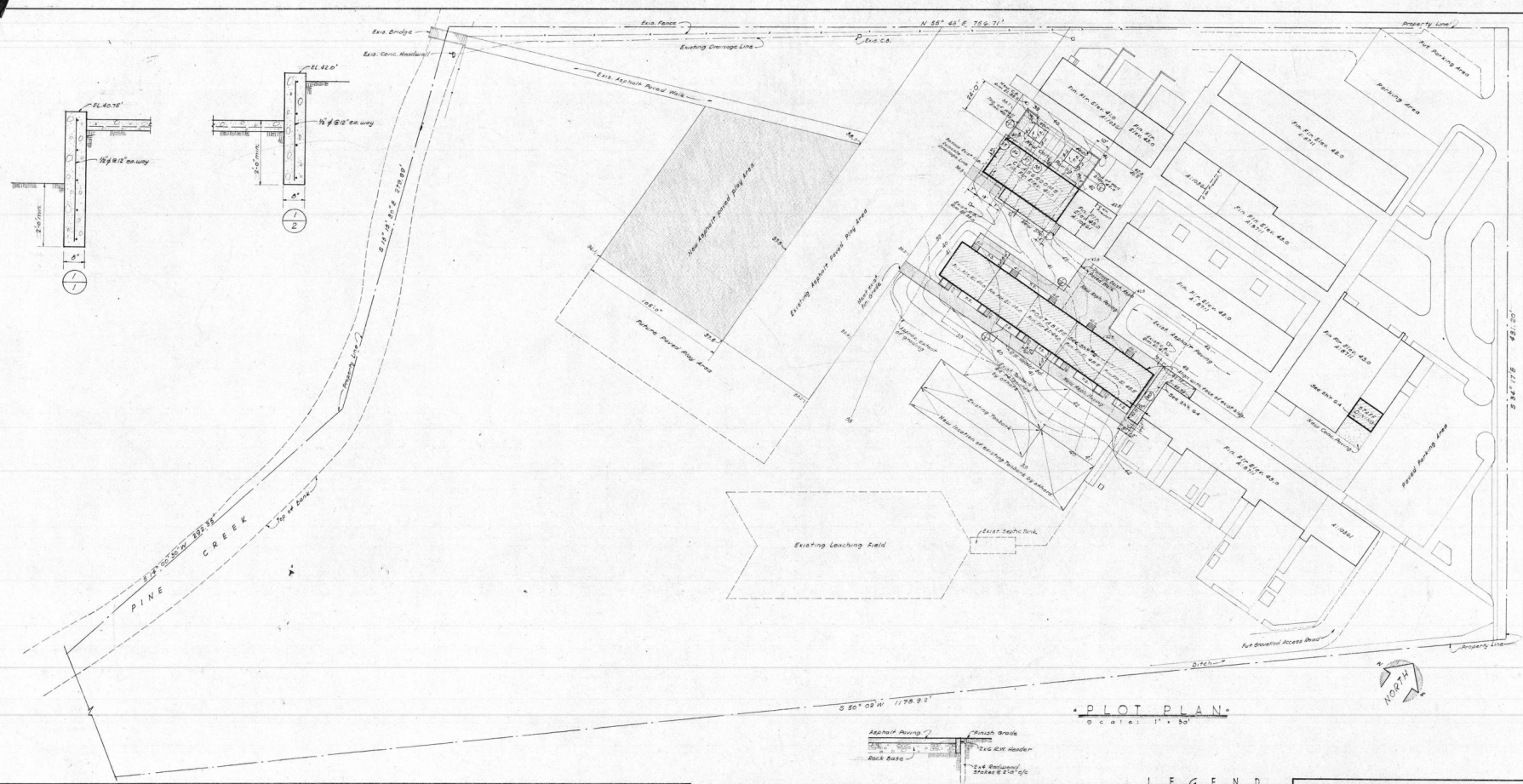
EXIST. P.A. TERM. CAB. CONNECT CONDUIT TO EXIST. 1/2" CONDUIT STUBBED OUT FROM EXIST. STOR. IN HALL 1 POLE NEW WIRING TO THIS TERM. CAB.

1/2" C. 2#12 & 1#12 TO CLOCK, TERM. CAB.

NIGHT LIGHT, # 4-1

NIGHT LIGHT, # 4-1

NIGHT LIGHT, # 4-1



PLOT PLAN

scale: 1" = 50'

HEADER BOARD FOR ASPHALT PAVING 1/3

scale: 3/4" = 1'-0"

SCHEDULE OF INTERIOR FINISH MATERIALS

ROOM	NUMBER	FLOOR	BASE	WAINSC.	WALLS	CEIL.	CEIL. MLD.	CAP MLD. ON WAINSC.	CHAIR RAIL	REMARKS
CLASSROOMS	CR 1 & 2	Asph. Tile	Rubber	Plywood	Plaster	Acoust'l*	D.F.	D.F.		See Sheet No. 9
STAFF DINING ROOM		Asph. Tile	Rubber		Plaster	Acoust'l*	D.F.			See Sheet No. 9 & 4

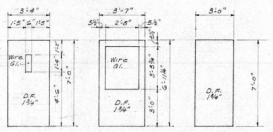
NOTE! See 6/A4 & 8, Floor Plan for interior finishes of Portable Classrooms

* Acoust. C. is on plaster backing

SCHEDULE OF INTERIOR PAINTING

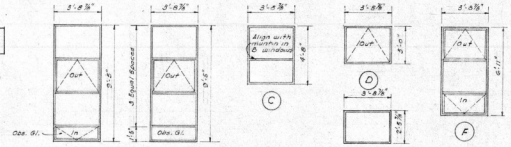
ROOM	BASE	WAINSC.	WALLS	CEIL.	WINDOW SASH, FRAMES & TRIM	OTHER WOOD	REMARKS
CLASSROOMS		Stain	Flatwall		Eggshell	Stain	
STAFF DINING ROOM			Flatwall		Eggshell	Stain	

DOOR SCHEDULE



NOTE! See 3/A4 & 8 for Windows & Doors for Portable Classrooms

WINDOW SCHEDULE



LEGEND

- Existing Construction
- New Construction
- Proposed Future Construction
- New Asphalt Paving
- New Concrete Paving
- C.B. = Catch Basin. T.S. = Top Soil
- G.C.O. = Grade Clean Out
- Approx. extent New finish of paving & grade contour
- Exist. Contour to remain as finish grade Contour
- Exist. Contour to be changed

GENERAL NOTES

1. Survey Prepared by Norman T. Rippe, Civil Engineer, Martinez Calif. Survey Dated April 1, 1965
2. Approval of the Division of Architecture does not include future construction.
3. Outline of excavation for building shown thus ——— ——— the area within this line shall be stripped to elevations on the plot plan shown thus (B) left.
4. Fill within ——— ——— shall be placed under the direct supervision of the soils Engineer. See Specifications.

INDEX OF DRAWINGS

SHEET NO.	TITLE OF SHEET	INDEX
1	PLOT PLAN & SCHEDULES	1
2	FLOOR PLAN, ELEVATIONS & DETAILS - PORTABLE CLASSROOM	2
3	DETAILS - PORTABLE CLASSROOM	3
4	FOUNDATION PLAN, FLOOR & ROOF FRAMING - PORTABLE CLASSROOM	4
5	CAISSON LAYOUT PLAN & GENERAL NOTES - PORTABLE CLASSROOM	5
6	TYPICAL CLASSROOM PLANS, ELEVATIONS & DETS.	6
6A	STAFF DINING ROOM & CORRIDOR PLANS, ELEVATIONS & DETS	7
7	CLASSROOM SECTIONS	8
8	CLASSROOM UNIT	9
21	GENERAL NOTES	10
22	TYPICAL STRUCTURAL DETAILS	11
23	WINDOW & DOOR DETAILS	12
24	MISCELLANEOUS DETAILS	13
25	ELECTRICAL, PLUMBING & HEATING - PORTABLE CLASSROOM	14
26	ELECTRICAL, PLUMBING & HEATING	15

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.

ENGINEER

Raymond G. Wilde ARCHITECT

PLOT PLAN & SCHEDULES

ADDITION NO. 2 TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

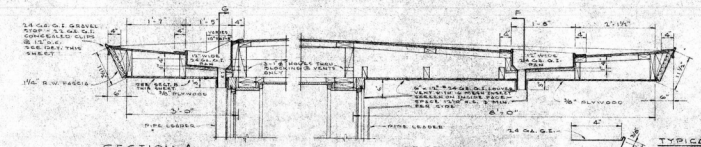
FILE 54-10-2

DATE MAY 1965

SHEET 1

1

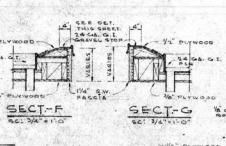
OF 15 SHEETS



SECTION-A
SC: 3/4" = 1'-0"

SECTION-B
SC: 3/4" = 1'-0"

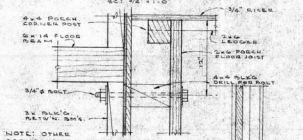
NOTE: GUTTER SHOWN ABOVE FOR CONVENIENCE. SEE ELEVATIONS FOR CORRECT LOCATION OF LEADERS AND SUMPS.



SECT-F
SC: 3/4" = 1'-0"

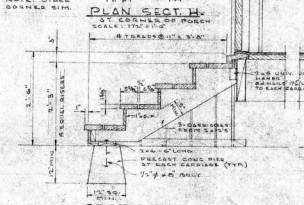
SECT-G
SC: 3/4" = 1'-0"

TYPICAL GRAVEL STOP

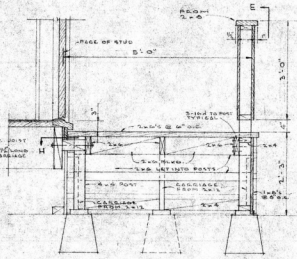


PLAN SECT. H.
ST. CORNER OF PORCH
SCALE: 1"=1'-0"

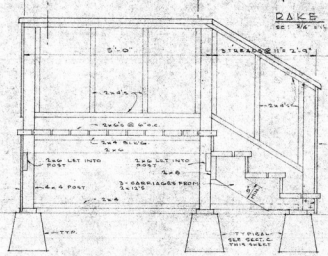
NOTE: OTHER SQUARES SIM.



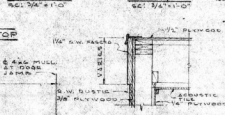
SECTION-C
SC: 3/4" = 1'-0"



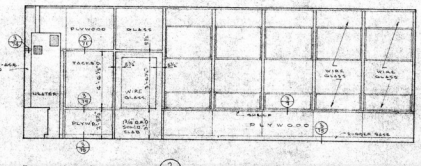
SECTION-D
SC: 3/4" = 1'-0"



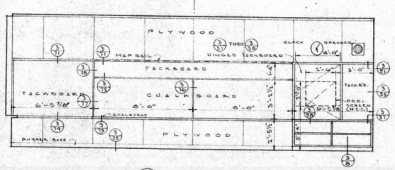
ELEVATION-E
RUSTIC REMOVED TO SHOW FRAMING
SCALE: 3/4" = 1'-0"



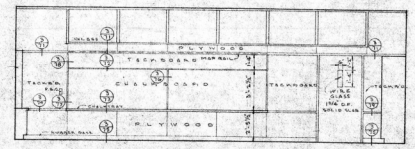
RAKE
SC: 3/4" = 1'-0"



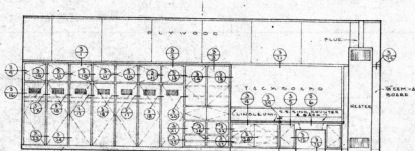
ELEVATION (1/A)



ELEVATION (2/B)

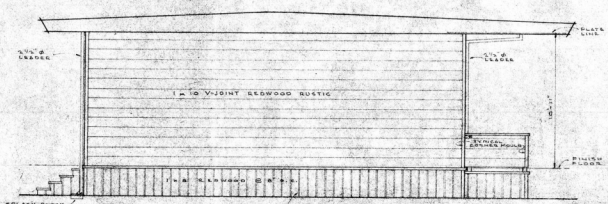


ELEVATION (2/C)



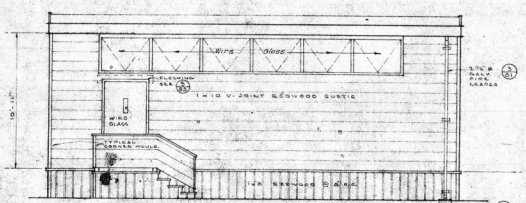
ELEVATION (2/D)

CLASSROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



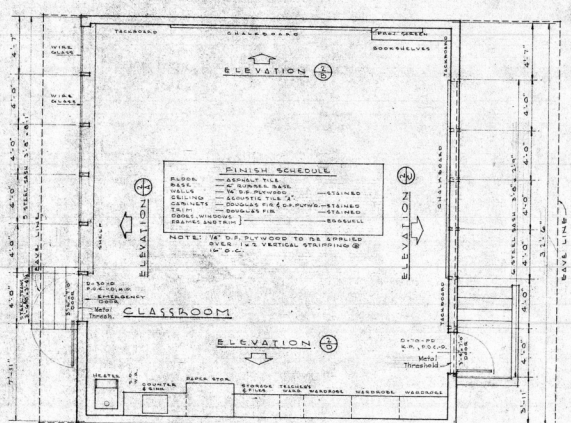
EAST ELEVATION
SCALE: 1/4" = 1'-0"

NOTE: OMIT T&B R.W. SIDING BETWEEN CLASSROOMS



SOUTH ELEVATION

NOTE: ALTERNATE CLASSROOMS MAY BE ERECTED IN PLACE AND THEN OTHERS MOVED INTO PLACE.

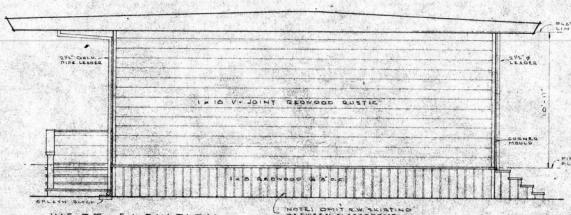


FLOOR PLAN
SCALE: 1/4" = 1'-0"

FINISH SCHEDULE

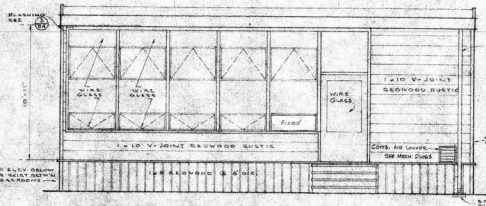
FLOOR	— ASPHALT TILE
BASE	— 4" SUNNEN BASE
WALLS	— 1/4" B.D. PLYWOOD — STAINED
CEILING	— ACOUSTIC TILE "A"
TRIM	— DOUGLAS FIR & P.W.P. — STAINED
DOORS, WINDOWS	— DOUGLAS FIR — STAINED
FRAMES, ANETC.	— BASWELL

NOTE: 1/4" D.F. PLYWOOD TO BE APPLIED OVER 1"x3 VERTICAL STRIPPING @ 16" O.C.



WEST ELEVATION

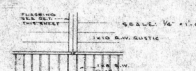
NOTE: OMIT R.W. SIDING BETWEEN CLASSROOMS



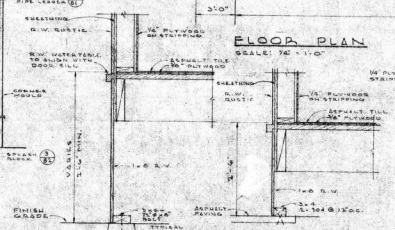
NORTH ELEVATION

LEGEND

D.F.	— DOUGLAS FIR
R.W.	— REDWOOD
S.D.	— SAND DISPENSER
W.R.	— WASTE RECEPTACLE
P.D.C.	— PANIC BAR DOOR CLOSURE — TYP. 6
K.P.	— KICK PLATE
O-O	— LOCK NO.
3/21	— SHEET NO. / DETAIL NO. = DETAIL DESIGNATOR



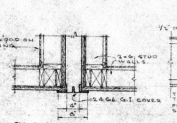
SKIRT ELEVATION BETWEEN CLASSROOMS
SCALE: 1/4" = 1'-0"



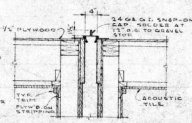
NORTH, EAST, AND WEST SIDES

SOUTH SIDE ONLY
OR WHERE ASPHALT PAVING OCCURS.

SKIRT DETAILS
SCALE: 1/4" = 1'-0"



PLAN AT CORNER



SECTION AT ROOF

DETAILS OF JUNCTURE OF BUILDINGS



FLASHING WHERE FLOOR LEVELS VARY
SCALE: 1/4" = 1'-0"

ASSOCIATED ARCHITECTS
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CONGER & WILLIS
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ARCHITECT

STATE OF CALIFORNIA, DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
13825 APPROVED JULY 7, 1955
Mr. W. Lathrop Sym
ENGINEER

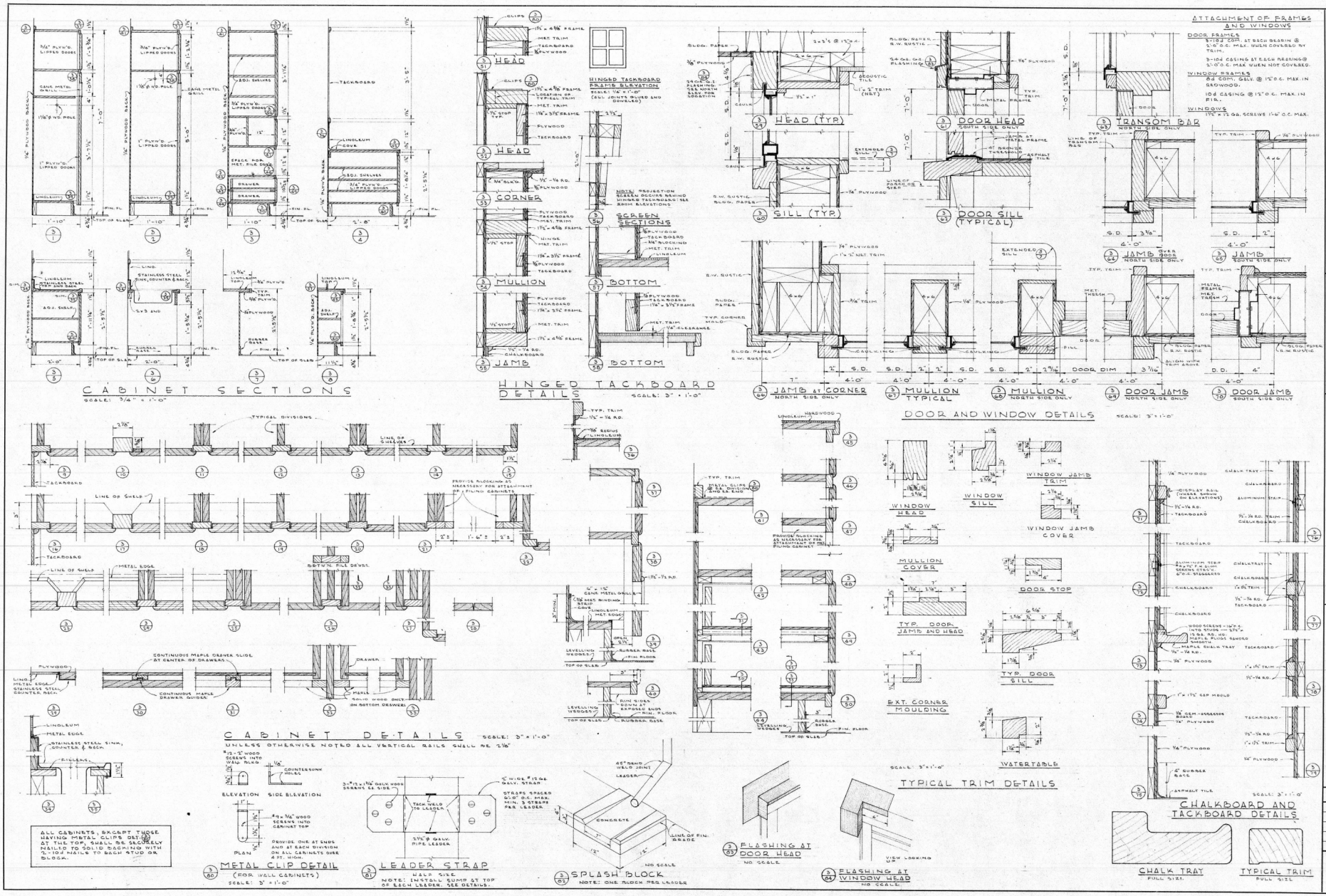
SUPERINTENDENT OF SCHOOLS

BOARD OF TRUSTEES

FLOOR PLAN, ELEVATIONS & DETAILS
PORTABLE CLASSROOM

ADDITION NO. 2 TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 54-10-12
DATE 6 MAY 1955
SHEET 2
2



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APPROVED DATE 7 1955
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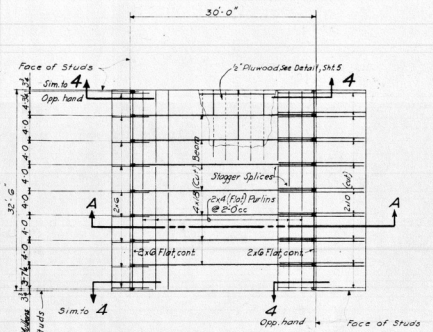
2800 PARK BOULEVARD, OAKLAND 10, CALIF.

ENGINEER

DETAILS
PORTABLE CLASSROOMS
ADDITION NO 2 TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

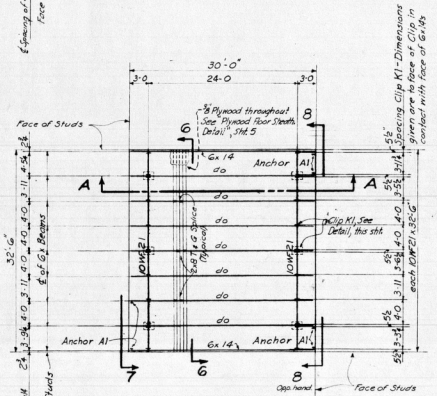
FILE 54-10-R
DATE 6 MAY 1955

SHEET 3
OF 15 SHEETS
3



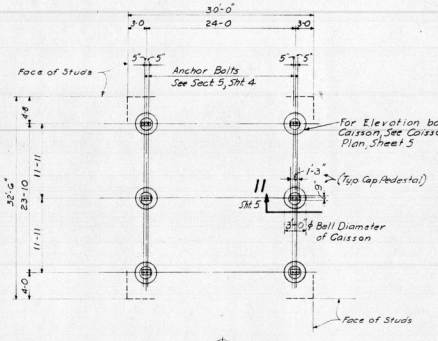
ROOF FRAMING (6"=1'-0)

1. See General Notes, Sheet 5.
2. All 4x18 Main Roof Beams shall be Select Structural Grade.
3. See Architectural Drawings for fascia details, roof drains, etc.



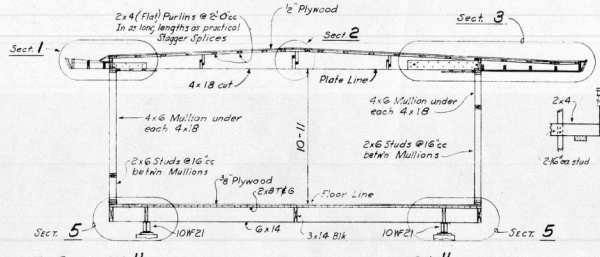
FLOOR FRAMING (6"=1'-0)

1. See General Notes, Sheet 5.
2. See Architectural Drawings for Nominal Floor Elevations, Architectural Details, etc.
3. 2x8 T&G Sub. Floor shall be spliced only as shown here on.
4. Plywood Floor Sheathing shall be laid PRIOR to raising studs and for Mullions.
5. All Exterior Walls shall be sheathed with ⅜ Plywood, See Detail, Sht 5.



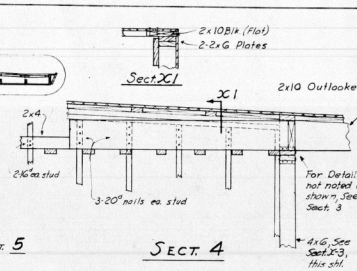
FOUNDATION PLAN (6"=1'-0)

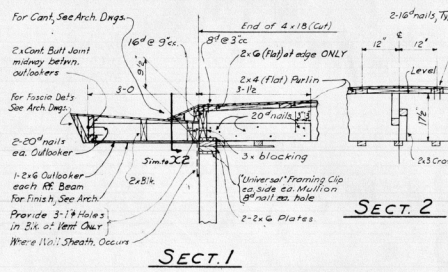
1. See General Notes, Sheet 5.
2. For Foundation Details See Sheet 5.
3. For Elevations of existing grade, drainage details, exterior paving, etc, See Architectural Drawings.

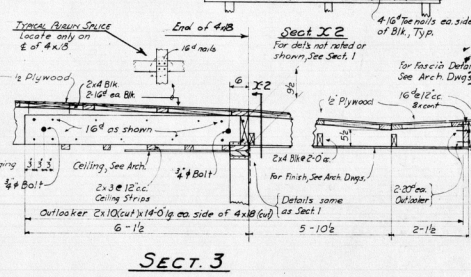


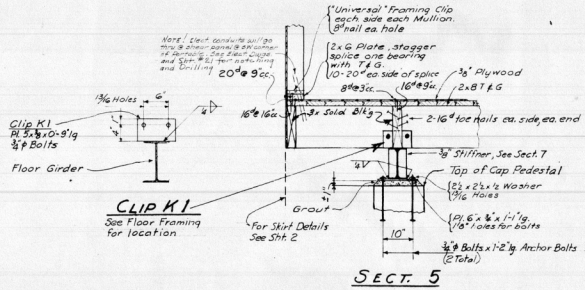
SECTION A-A TYPICAL

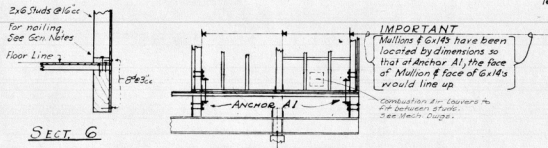
Sect 11 Sht 5 Typ. Footing

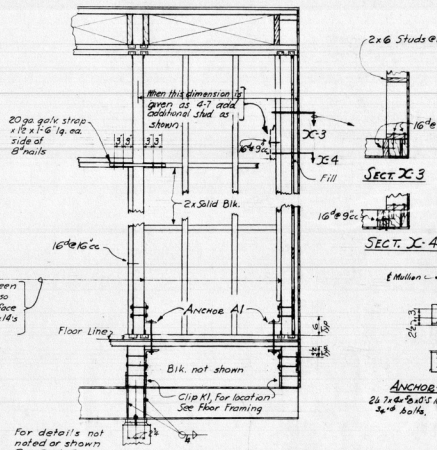












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2800 PARK BOULEVARD, PALO ALTO, CALIFORNIA
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FOUNDATION PLAN, FLOOR & ROOF FRAMING
PORTABLE CLASSROOM
ADDITION No. 2 TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 54-10-2
DATE 6 MAY 1955

SHEET 4
4
OF 19 SHEETS

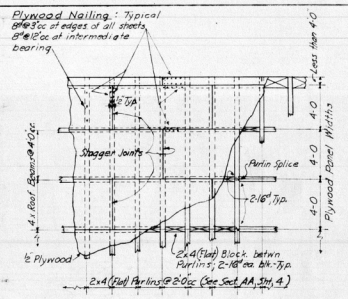
GENERAL NOTES

Applying to Structural Features unless otherwise shown or noted

1. REFERENCE TO OTHER DRAWINGS
   (a) See Architectural Drawings for details and/or dimensions not shown on Structural Drawings.
2. DISCREPANCIES
   (a) The Contractor shall compare the Structural Drawings with the Architectural Drawings as to layout, dimensions and elevations. All discrepancies, if any, shall be reported to the Architect for proper adjustment before proceeding with the work.
3. SPECIFICATIONS
   (a) The Specifications shall govern where information is not given in these General Notes or on the drawings.
4. INTENT
   (a) In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.
5. CONCRETE
   (a) Design working stresses for Concrete are based on an ultimate compressive strength of 2000 #/□" for the concrete at the age of 28 days.
6. STEEL REINFORCEMENT
   (a) Use Intermediate Grade Steel.
   (b) All reinforcing bars to be deformed bars complying with A.S.T.M. specifications A-305-53.
7. STRUCTURAL STEEL
   (a) All Structural Steel shall conform to the A.I.S.C. Specifications for Design, Fabrication & Erection of Structural Steel for Bldgs., 5th edition.
   (b) The Contractor shall submit complete sets of shop drawings to the Architect for approval.
   (c) All Structural Steel shall be given one shop coat and one field coat of paint.
8. CARPENTRY
   (a) Bolts
   Bolt holes in wood shall be drilled net size of bolt. Bolt threads shall not bear on wood or steel. Use Standard Malleable Iron Washers, 3"dia.x5/16"thick for 3/4"ø Bolts, 2 1/4 dia.x5/16" thick for 1"ø Bolts.
   (b) Nailing Schedule
   All wood members thruout building shall be connected together with nailing listed in this schedule unless a greater number of nails are shown or called for elsewhere on drawings. All nails shall be common wire nails. Wherever the nailing specified tends to split the wood, holes for nails shall be sub-bored. Split members shall be taken out and replaced.

Rafters or Beams at all bearings	2-10d toe nails each side
Studs to bearings	2-10d " " " "
Blocking between Purlins or Beams to Purlin or Beam	2-10d toe nails ea. side, ea end
to plate	2-16d toe nails each side
Square laid Sheathing 2x	2-16d at all bearings
Furring Strips (Ceiling)	2-16d Nails at each bearing
	one a face nail, one a slant nail
Plywood Sheathing	See details this sheet
Framing Clips (Manufactured by Universal Anchor Company (666 Mission Street, San Francisco 5, California)	8d nails
Crossbridging between Rafters	2-8d toe nails ea. end
Herringbone Blocking or Blocking betwn Studs	2-10d ea. end
Double Top Plate Lower plate to top of stud	2-20d nails
Upper to lower plate	16d @ 16"c.c. stagger
Bottom Plate To sheathing, beam or blocking	20d @ 9"c.c.
Multiple Studs	Intermail with 16d @ 12"c.c.
Ribbons - 2" nominal	2-16d ea. stud
Blocking betwn Mullions	2-16d toe nails ea. side ea. end

   (c) Wood Preservative
   For preservative treatment of wood in contact with concrete and/or masonry, or for wood within 2 feet of ground surface, See Specifications.

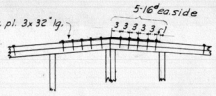


PLYWOOD ROOF SHEATHING
TYPICAL

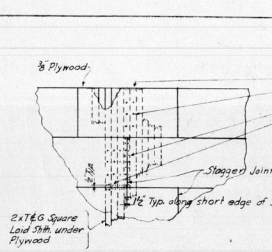
1. Roof Sheathing shall be Exterior Type Plywood, Sheathing Grade C-C, Douglas Fir Plywood Association. Each sheet shall bear the grade mark of the D.F.P.A.
2. Nail Size - Berkeley Plywood 8d nail or 8d common wire nail cut to a 2" length.
3. Panel edges shall butt along center lines of framing members.



UPPER PLATE SPLICE
TYPICAL

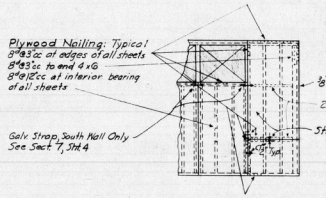


UPPER PLATE GABLE SPLICE
TYPICAL



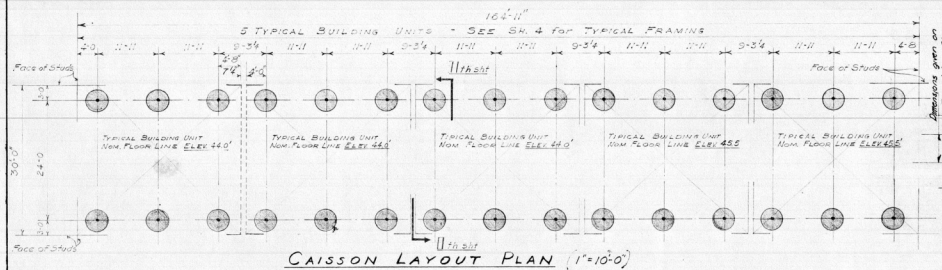
PLYWOOD FLOOR SHEATHING OVER 2" T&G.
TYPICAL

1. Notes 1 & 2 under Plywood Roof Sheathing, apply to this detail.
2. Panel edges shall butt not closer than 2" from edge of sheathing.



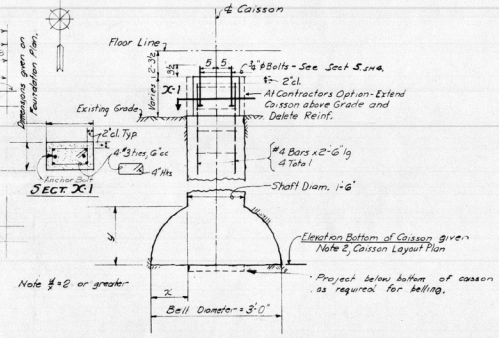
PLYWOOD WALL SHEATHING
TYPICAL

1. Notes 1, 2 & 3 under Plywood Roof Sheathing, apply to this detail.



CAISSON LAYOUT PLAN (1"=10'-0")

1. See General Notes, this sheet.
2. Bottom of all Caissons shall be at Elev. 340'.
3. Elevations of bottom of Caissons have been established to reach basic clay containing varying amounts of gravel. From Soil Report by Clyde and Associates, dated 1-10-51, this material is capable of supporting 2500 #/□' Dead Load, 3750 #/□' Dead Load + Live Load. As drilling progresses subsurface conditions may be encountered which will require changes in these elevations and/or caissons. Such changes shall be made only as directed by the Architect and shall be accounted for in accordance with Contract documents.
4. Concrete for caissons shall be poured in neat excavation, without side forms wherever possible.
5. See Foundation Plan, Sheet 4.



TYPICAL CAISSON DETAIL
SECT. 11

For details & dimensions not shown see Sect 5 sht 4.

ASSOCIATED ARCHITECTS
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CONNER & WILLIS
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MAIL: P.O. BOX 7, MAGNOLIA

CAISSON LAYOUT PLAN & GENERAL NOTES
PORTABLE CLASSROOM

ADDITION No 2 TO
MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 54-10-2

DATE 6 MAY 1954

SHEET 5 OF 15 SHEETS

BOARD OF TRUSTEES
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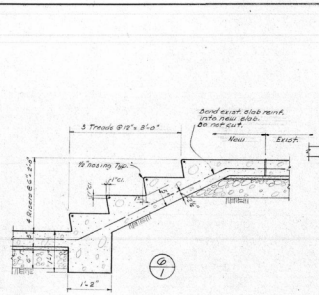
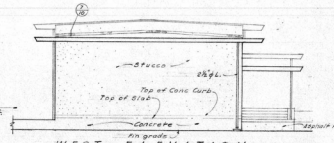
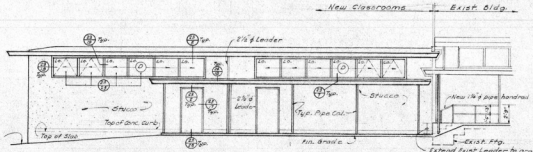


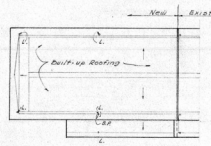


• WEST ELEVATION •
Scale: 1/8" = 1'-0"

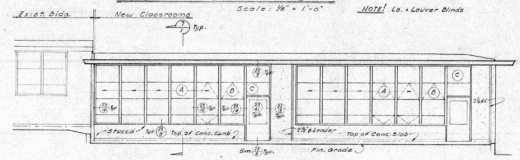


• SOUTH ELEVATION •
Scale: 1/8" = 1'-0"

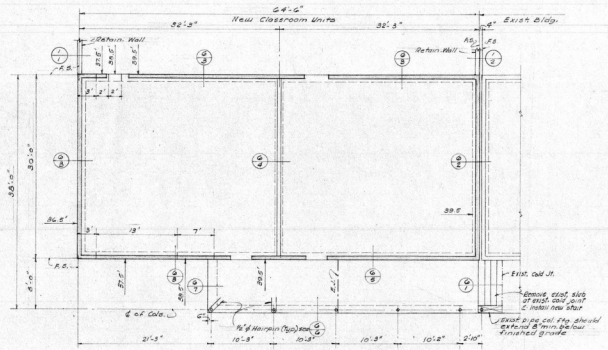
NOTE! Lo. = Louver Blinds



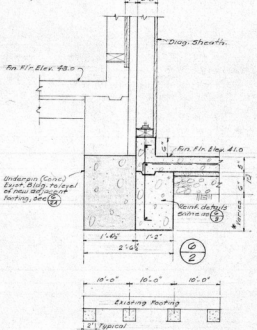
• ROOF PLAN •
Scale: 1" = 20'-0"



• NORTH ELEVATION •
Scale: 1/8" = 1'-0"

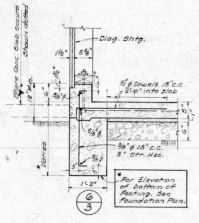


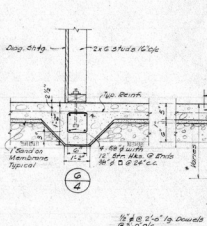
FOUNDATION PLAN
Scale: 1/8" = 1'-0"

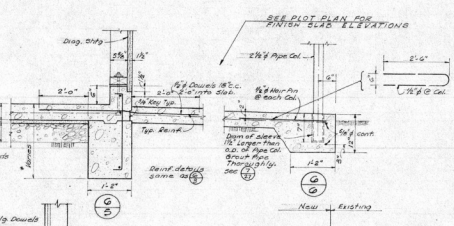


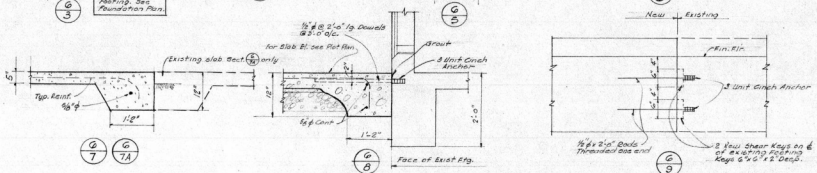
FOOTING ELEVATION
Scale: 1/4" = 1'-0"

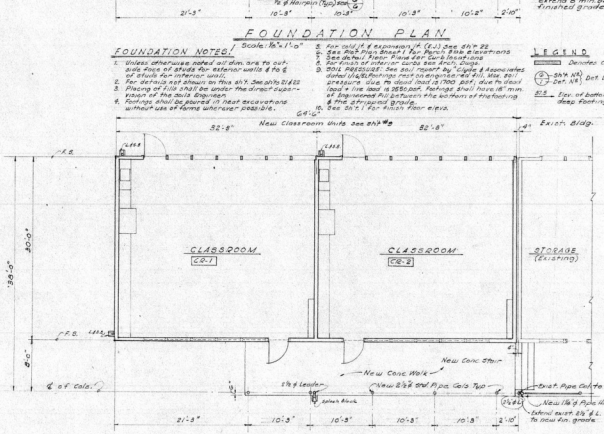
1. Excavate to bottom of existing footing.
2. Excavate under bottom of existing footing @ the 4 places indicated & pour solid with Concrete using drypack for the upper 1'.
3. Excavate to elev. of bottom of new footing, including excavation between underpinning constructed under Step 2.
4. Pour remaining underpinning & new wall footing @ the same time.









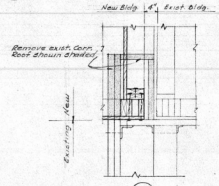


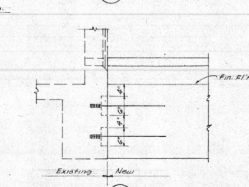
• FLOOR PLAN •
Scale: 1/8" = 1'-0"

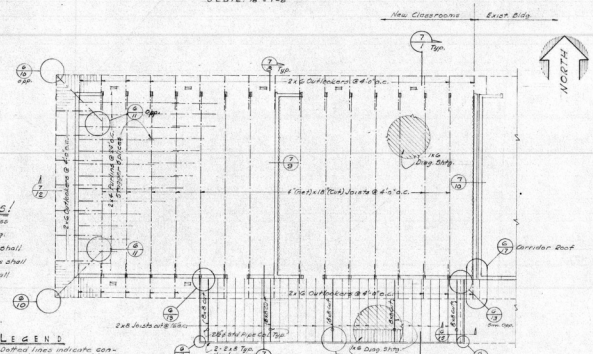
FOUNDATION NOTES!

1. Unless otherwise noted all dim. are to out. side face of studs for exterior walls & ¢ to ¢ of studs for interior walls.
2. For details not shown on this sht. See sht's 22 & 23
3. Placing of Fills shall be under the direct supervision of the Soils Engineer.
4. Footings shall be poured in neat excavations without use of forms wherever possible.
5. Provide for expansion of Tile, see Sht. 22
6. For finish of interior curbs see Arch. Dwgs.
7. SOIL PRESSURE: See soil report by Cagle & Associates dated 10/6/54 Footings rest on engineered fill, Max. Soil Pressure Used to design load is 1500 psf, due to dead load + live load is 1650 psf. Footings shall have 18" min. of Engineered Fill between the bottom of the footing & the undisturbed grade.
8. See Sht. 1 for finish floor elevs.

LEGEND
- Denotes Curb
- 5/8" ø Def. NR — Def. Designator
- 30.5 — Elev. of bottom of deep footing.





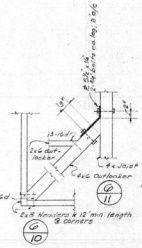


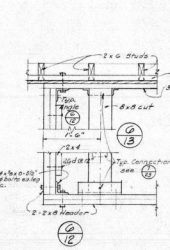
• ROOF FRAMING PLAN •
Scale: 1/8" = 1'-0"

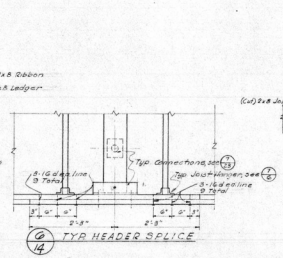
ROOF FRAMING NOTES!

1. All studs are 2 x 6 @ 16" o/c unless noted otherwise.
2. All exterior walls & roofs diag. sheathed with 1 x 6 boards.
3. All 8" x 8" Main roof beams shall be select structural grade.
4. All 2" x 8" Corridor Roof headers shall be select structural grade.
5. All 4" x 18" Main Roof beams shall be select structural grade for Pipe Cols. see Fin. Sheets.
6. D.S. indicates 1 x 6 Diagonal sheathing.
7. Typ. Connections see

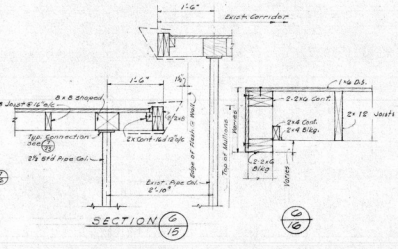
LEGEND
- Dotted lines indicate construction @ high roof level.
- Solid lines indicate construction @ walking roof level.
- Indicates 1 x 6 Diag. sheathed interior surface.
- 2 x 12 Vent in soffit.







TYP HEADER SPLICE



SECTION

NOTE! All construction new unless otherwise indicated.

ASSOCIATED ARCHITECTS
ANDERSON & WINONDS
CONER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
Raymond Wilder, ARCHITECT
ENGINEER

TYPICAL CLASSROOM PLANS
ELEVATIONS & DETS.

ADDITION NO. 2 TO
MEADOW HOMES SCHOOL

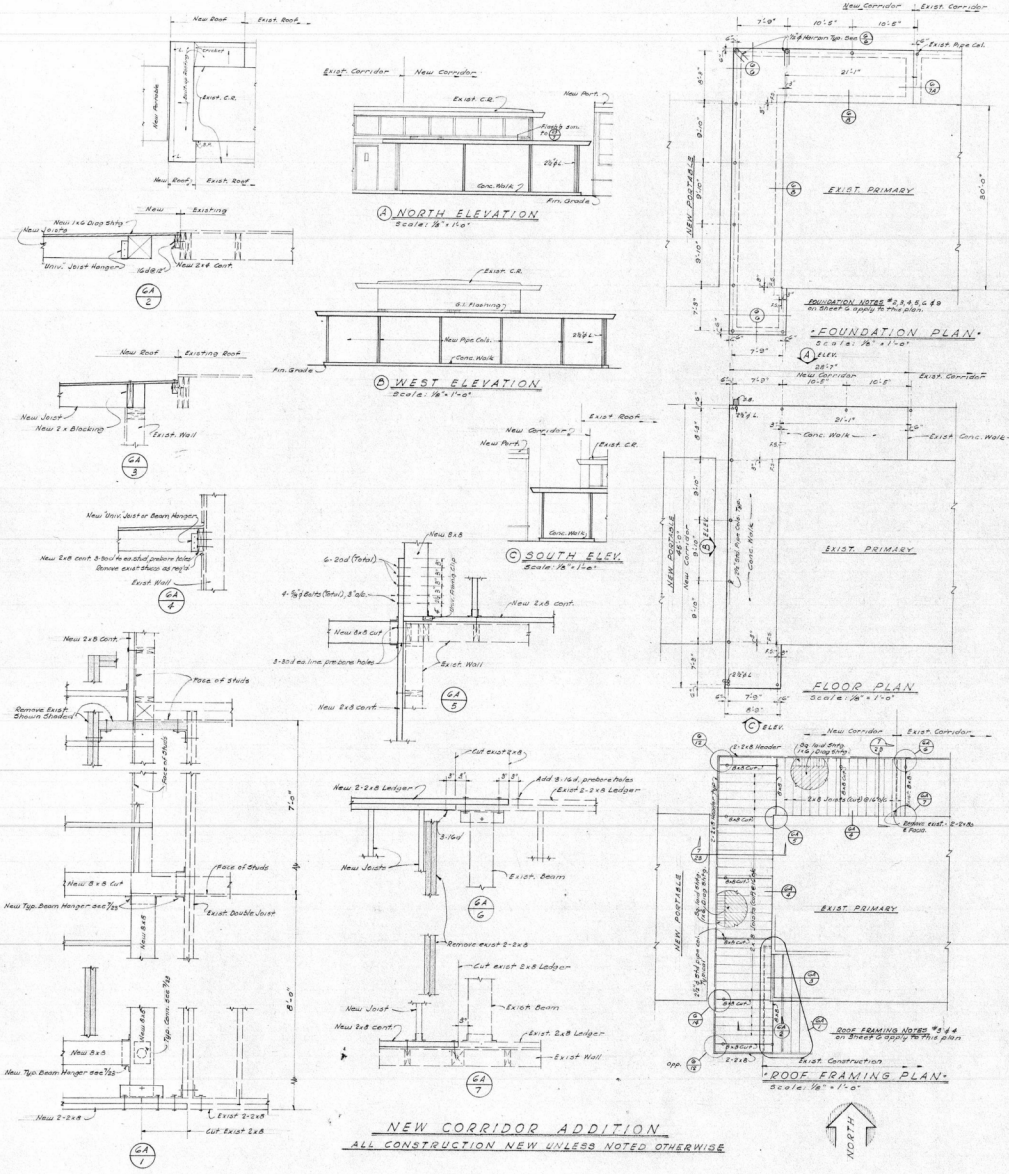
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED FOR CONSTRUCTION
DIVISION OF SCHOOL BUILDING AID
STATE DEPARTMENT OF EDUCATION
10-28-55
M. W. Stirling Jr.

FILE 54-10-R
DATE 6 MAY 1955
SHEET G
6
OF 15 SHEETS



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MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

ADDITION NO. 2 TO
MEADOW HOMES SCHOOL

STAFF DINING ROOM & CORRIDOR
PLANS, ELEVATIONS & DETAILS

FILE 54-10-2

DATE 6 MAY 1955

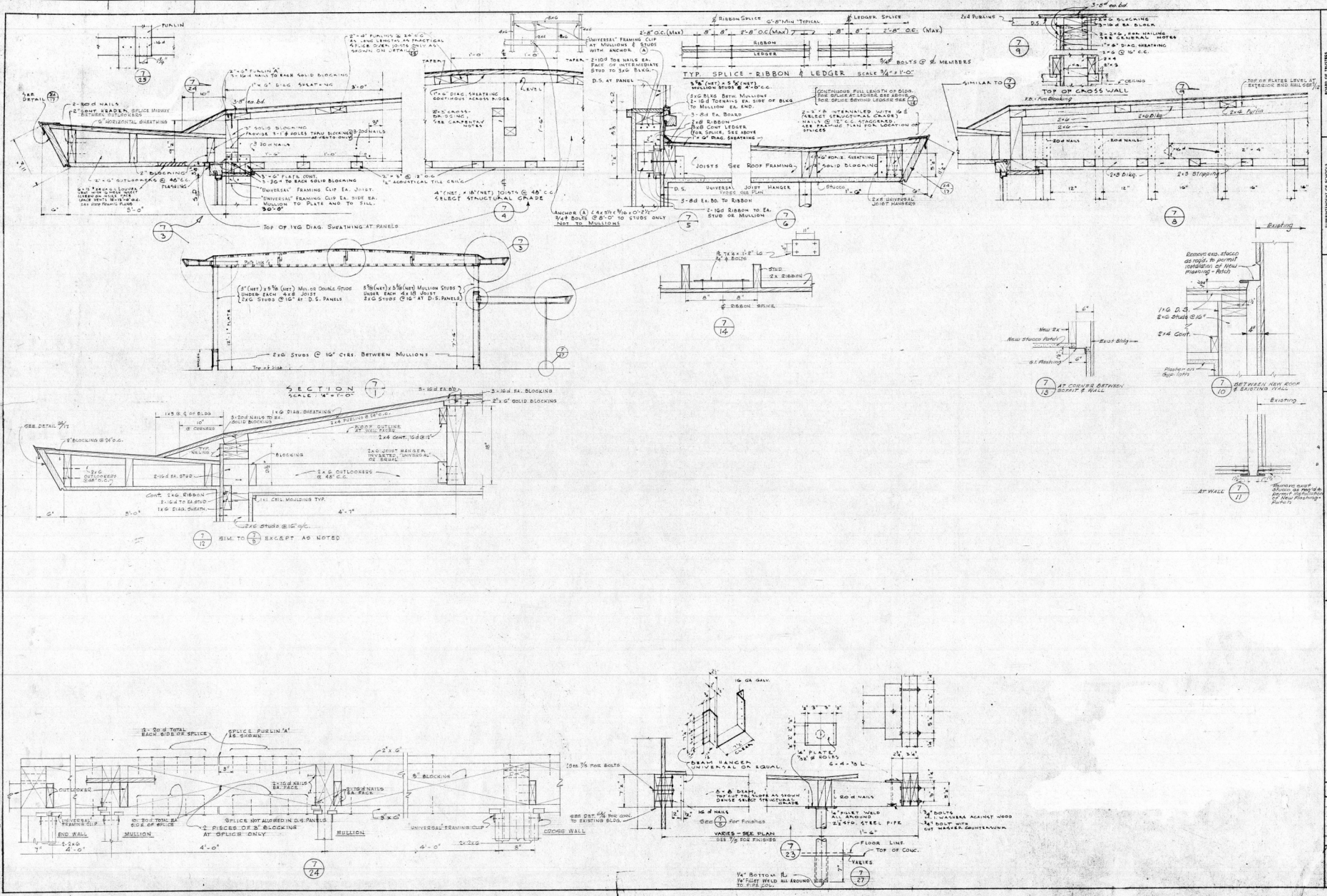
SHEET 7
6A
OF 15 SHEETS

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ENGINEER

ARCHITECT

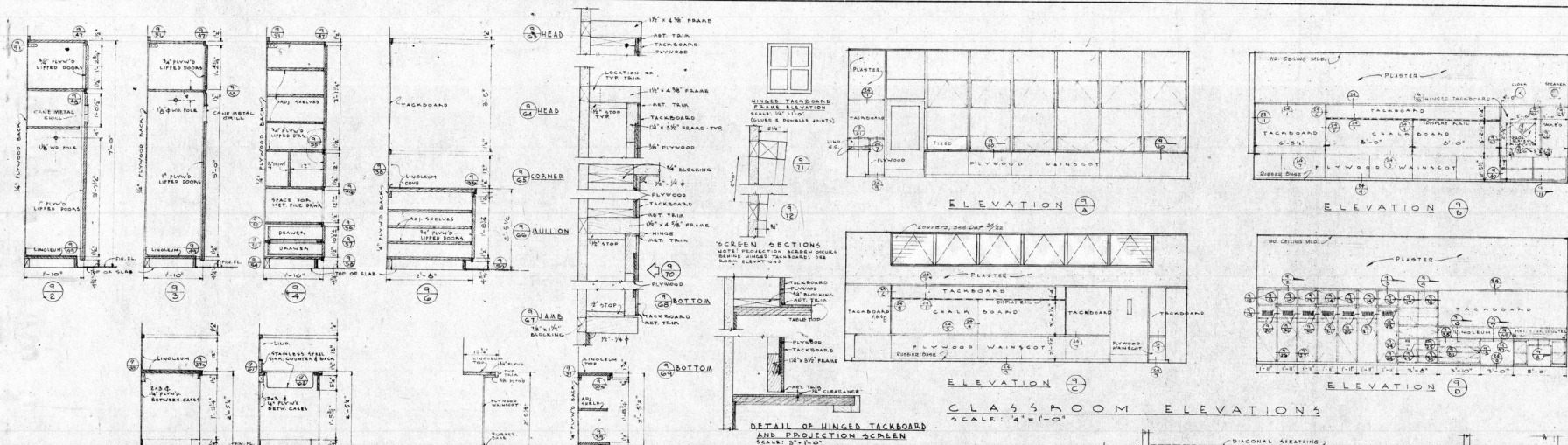


APPROVED BY RESOLUTION
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
DATE OF BOARD MEETING 13825
By Ruth Sullivan Clerk

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2300 PARK BLVD. OAKLAND 10, CALIF.
ARCHITECT ENGINEER

CLASSROOM SECTIONS
ADDITION NO. 2 TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 54-10-2
DATE 6 MAY 1955
SHEET 8
OF 15 SHEETS



ASSOCIATED ARCHITECTS
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ENGINEER

CLASSROOM UNIT
ADDITION NO 2 TO
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 56-10-2
DATE 6 MAY 1955

SHEET 9
9
OF 15 SHEETS

GENERAL NOTES

Applying to all Structural Features unless greater requirements are shown or noted elsewhere.

1. **REFERENCE TO OTHER DRAWINGS.**
(a) See Architectural Drawings for: Kinds of floor finish and their location; depressions in floor slabs; openings in walls and floors required by doors, windows, ducts, vents, plumbing, etc.; all types of flashing, inserts, anchorage, hangers, etc.; embedded in or attached to the concrete structure; roadway paving, walks, stairs, ramps, curb walls, terraces, etc.; exterior grades; elevations of sloping roof surfaces and location of drains, etc.

2. **DIMENSIONS.**
(a) Dimensions unless otherwise noted are to rough concrete surfaces.

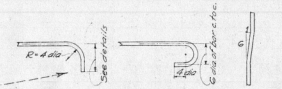
3. **DISCREPANCIES.**
(a) The Contractor shall compare the Structural Drawings with the Architectural Drawings as to layout, dimensions and elevations. All discrepancies, if any, shall be reported to the Architect for proper adjustment before proceeding with the work.

4. **SPECIFICATIONS.**
(a) The Specifications shall govern where information is not given in these General Notes or on the drawings.

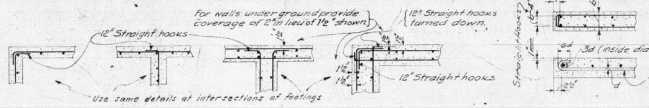
5. **OMISSIONS.**
(a) In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.

6. **CONCRETE**
(a) Design working stresses for concrete are based on an assumed ultimate compressive strength of 2000 #/in² at the age of 28 days.
(b) See Specifications for specific requirements as to Concrete.

7. **STEEL REINFORCEMENT**
(a) Use Structural grade steel. Intermediate Grade Steel may be used if it complies with bend and elongation requirements for Structural Grade Steel.
(b) All reinforcing bars to be deformed bars complying with A.S.T.M. spec. A-305 60T
WIRE FABRIC shall be as specified
(c) All reinforcement shall be continuous. Laps at splices shall be at least 32 bar diameters.
(d) Standard hooks and offsets to be as shown here unless otherwise detailed on drawings.
(e) Suitable devices of some standard manufacture shall be used to hold reinforcement in its true horizontal and vertical positions. These devices shall be of a CONTINUOUS TYPE sufficiently rigid and numerous to avoid displacement of the reinforcement during the placing of the concrete. All such devices shall be submitted to and receive the approval of the Architect before being used.
(f) The Contractor shall submit to the Architect for approval complete bending and placing details of all reinforcement for this work. These details shall include the diagrammatic elevation of all walls to a scale sufficiently large to show clearly the position and erection marks of all marginal bars around openings, dowels, splices, etc. for these bars.



8. **WALLS.**
(a) See Architectural Drawings for concrete walls not shown on Structural Drawings.
(b) All walls shall have typical reinforcement even though no reinforcement is shown on the drawings unless specifically noted "Not Reinforced" Typical wall reinforcement shall be as follows:
For 8" walls: ⅝" @ 16" ctrs. each way each face at 1½" clear from steel to face of wall.
For 9" to 12" walls - ⅝" @ 12" ctrs. each way each face at 1½" clear from steel to face of wall.
(c) Wall reinforcement to be securely wired together.
(d) At all corners, wall intersections and edges of openings use details shown below:



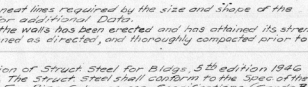
(e) Around all edges of openings use following marginal bars:
- ⅝" ℄ for walls 8" thick and under.
- 2-⅝" ℄ for walls over 8" thick.

Project these bars 2'-6" beyond all corners; use standard circular hook when projection of 2'-6" is impossible.

9. **DOWELS.**
(a) At junctions of walls and footings with slabs resting on ground use ⅝" dowels at 18" ctrs. projecting 2'-0" into slab from inside face of wall or footing. Project dowels to 2" from outer face of wall or footing and terminate in 12" straight hook.

10. **SLABS ON GROUND**
(a) See Typical Details on next sheet for various slabs on ground. At wall and footing provide dowels as noted in Paragraph 9a.

11. **CONSTRUCTION JOINTS**
(a) For construction joints in General see Specifications.
(b) Use following procedure for construction joints:
While the surface of concrete at construction joint is still soft provide keys at 24" ctrs. 1" deep x 3" long x 4" wide for 6" and 8" walls: 1" deep x 10" long x 6" wide for walls 10" thick and over. In addition the entire surfaces of construction joints shall be thoroughly roughened with a stable mechanical tool within 48 hours after pour. Just prior to depositing of new concrete, the surface of construction joint shall be thoroughly cleaned and wetted and a coat of 1:2 cement mortar shall be slushed on the surface, ¼" thick.



SECT X-2

12. **FOUNDATIONS**
(a) Except where otherwise shown excavation shall be made as near as possible to the neat lines required by the size and shape of the structure. No unnecessary material is to be excavated. See Foundation Plan for additional Data.
(b) Walls against which backfill is placed shall be adequately shored until construction bracing the walls has been erected and has attained its strength. Backfill shall be placed in layers not exceeding 6" in depth. Each layer shall be moistened as directed, and thoroughly compacted prior to placing the next layer. See Specifications.

13. **STRUCTURAL STEEL**
(a) All struct steel shall conform to the A.I.S.C. Spec. for Design, Fabricat. & Erection of Struct Steel for Bldgs, 5th edition 1946 and Title 21 (formerly Appendix A) of dept of Public Works, State of Calif. The struct steel shall conform to the Spec of the A.S.T.M. for Steel for Bridges & Bldg. Str. Desig. A7-52 as amended to date. For Pipe Columns, see Specifications (Grade B).
The Contractor shall submit for approval to the Architect a complete set of shop drawings.
(b) Paint. See Specifications.

14. **EXISTING CONSTRUCTION.**
(a) Existing construction shown on the drawings was obtained from existing drawings. The Contractor shall verify all existing conditions, and shall notify the Architect of all exceptions before proceeding with the work.
(b) The removal, cutting, drilling etc. of existing work shall be performed with great care and proper tools, in order not to jeopardize the structural integrity of the Building. If structural members not indicated for removal interfere with the new work, the Architect shall be immediately notified and prior approval obtained before removal of members.
(c) The Contractor shall safely shore existing construction wherever existing supports are removed to allow the installation of the new work. The existing construction shall be connected and/or embedded into the new construction as shown or specified

15. **CARPENTRY**
(a) Joists. Provide: Full bearing at all supports. Lap joists 3" min over supports wherever possible. 2" Solid Blocking at supports and under partitions at right angles to joists. 2x3 Cross bridging at midspan for spans 8 ft to 16 ft. For greater spans, spacing of bridging shall not exceed 8'-0". Omit cross bridging for roof and ceiling joists 8 inches and under in depth. Double joists under all partitions parallel to joists.
- 3" Redwood

(b) Partitions.
Use single bottom plate and double top plate; stagger joints in upper and lower members of top plate not less than four feet. Provide one row of solid herringbone bridging at mid-height except that at gable ends and partitions higher than 13 ft. provide two rows. Bolt plates to concrete with ⅜ bolts spaced @ 4'-0 c.c. See "Typical Detail of Bolting wood plate to concrete," Sheet 22.

(c) Sheathing.
Diagonal Sheathing shall be laid diagonally at an angle of 45° to joist or stud's. Boards shall be accurately cut to center of bearings. For Typical Splicing of diagonal sheathing in roofs and walls, see details on sheet 22.

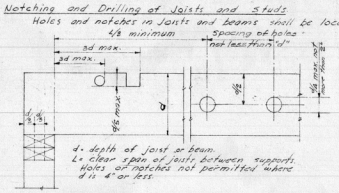
(d) Bolts.
Bolt holes in wood shall be drilled net size of bolt. Bolt threads shall not bear on wood or steel. Use Standard Malleable Iron Washers against wood: 3½" dia x ⅛" thick for ⅝" bolts, 3" dia x ⅛" thick for ¾" bolts, 2¾" dia x ¼" thick for ⅞" bolts, 2½" dia x ¼" thick for 1" bolts.

(e) Nailing Schedule.
All wood members thruout shall be connected together with nailing listed in this schedule unless a greater number of nails is shown or called for elsewhere on drawings. All nails shall be common wire nails. Wherever the nailing specified tends to split the wood, holes for nails shall be sub-bored. Split members shall be taken out and replaced.

Lapped Joists	4-16d Nails	Crossbridging between joists	2-8d toe nails ea. end
Joists, Rafters or Trusses at all Bearings	2-16d toe nails each side	Herringbone Blocking	2-10d ea end
Studs to bearings	3-10d " " "	Double Top Plates:	
Blocking between joist rafters or trusses to joist, rafter or truss	3-16d studs are over 15" max.	Lower plate to top of stud	2-20d nails
	2-16d toe nails each side each end	Upper to lower plate	16d @ 16" oc.
to plate (on which joist rests)	2-16d toe nails each side	Bottom Plate	
to wood girder (on which joist rests)	2-16d " " " "	To joists and blocking supporting partition	20d @ 16 oc.
Blocking to blocking	3-16d ea. block	Multiple Studs: Inter nail with 16d @ 12 c.c. (See details for stud arrangement on next sheet)	
Continuous Headers to joists (2x6 & smaller)	2-20d	Laminated Joists Inter nail with 16d @ 12 oc.	
" (2x10 & larger)	3-20d "	Double Joists under Partitions	
Square laid Sheathing 1x6	2-8d at all bearings	where not blocked apart	16d @ 12" oc.
1x8	3-8d " " " "	where blocked apart (for piping)	2-20d at ea. block ea joist
Diagonal Sheathing 1x6	2-8d at intermediate bearings	Ribbons: 2" nominal	2-16d ea. stud
	4-8d at ends of all boards	1" nominal	2-8d ea. stud
1x8	3-8d at intermediate bearings	Joists or Rafters to side of studs:	
	4-8d at ends of all boards	For 8 joists or less	3-16d
2" Sheathing 2" nom.	2-16d at all bearings	For each additional 4" in depth of joist	1-16d
Furring Strips 2-16d nails at ea. bearing	1 face nailed	At plaster ceiling & at	
	1 Slant nailed	all places where supports for stripping exceed 4'0" ctrs. tie stripping to supports with 2 loops of #16 wire (in addition to nailing called for)	
Miscellaneous: All 2" material shall be nailed with 2-16d nails			
1" material with 3-8d at each bearing, 2" material laid over sheathing shall be nailed with 30d nails.			

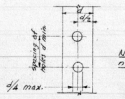
(f) Wood Preservative.
For preservative treatment of wood in contact with concrete and/or masonry or for wood within 2 feet of ground surface, see specifications.

(g) Notching and Drilling of Joists and Studs
Holes and notches in Joists and Beams shall be located only as shown below:



d = depth of joist or beam.
L = clear span of joist between supports.
Holes or notches not permitted where d is 4" or less.

Holes in studs shall be located only as shown below:



Notching of studs not permitted. Except as detailed @ ribbons (7/S)

(h) LAG SCREWS
Screws shall be screwed and not driven into place. In placing lag screws in wood, the holes shall first be bored to the same diameter and depth as the shank. Holes for the threaded portion of the screws shall be bored with a bit not larger than the base of the thread.

16. **JOIST HANGERS AND FRAMING CLIPS**
Shall be as manufactured by "THE UNIVERSAL ANCHOR CO." of San Francisco or approved equal.
For framing clips use 8d nails.
Nailing for Joist Hangers

Joist 1-SE	2x4	2x6	2x8	2x10	2x12
To support	2-8d	3-8d	3-16d	3-16d	4-16d
To joist	2-8d @ 2-8d @	3-8d @ 4-8d @	4-16d @ 4-16d @		each side.
Remarks	@ cut height to 1¾"	or use #8 Berkley Plywood Nails			

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3833 PIEDMONT AVE., OAKLAND 11, CALIF.
Raymond Kotchell ARCHITECT
ENGINEER

GENERAL NOTES.
ADDITION NO 2 TO
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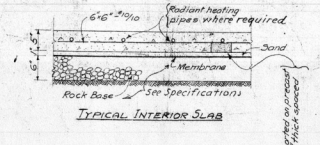
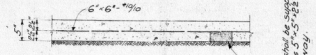
• MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY CALIFORNIA

FILE 54-10-R
DATE 6 MAY 1955

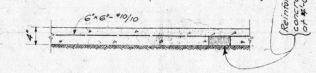
SHEET 10
21
OF 15 SHEETS



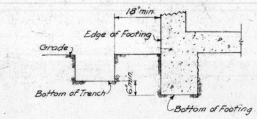
TYPICAL INTERIOR SLAB



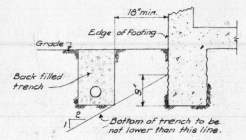
TYP. PORCH, COVERED WALK, CORRIDOR SLAB



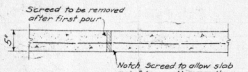
TYPICAL YARDS SLAB



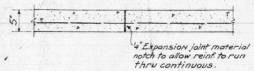
OPEN TRENCH



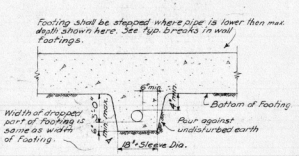
PIPE IN BACK FILLED TRENCH



COLD JOINT DETAIL

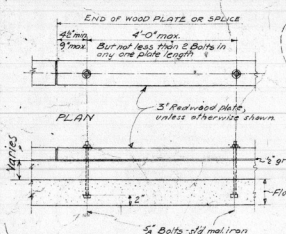


EXPANSION JOINT DETAIL

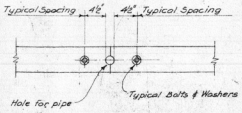


PIPE UNDER FOOTING

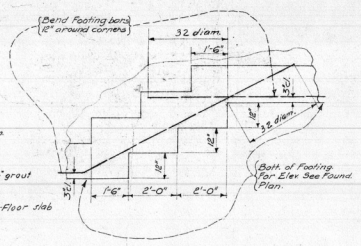
TYPICAL DETAILS OF PIPES AND TRENCHES NEAR FOOTINGS.



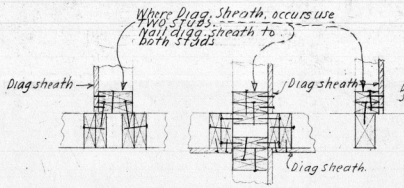
TYPICAL DETAIL OF BOLTING WOOD PLATE TO CONCRETE



DETAIL OF SILL PLATE BOLTING FOR ALL WALLS WHERE O.D. OF PIPE EXCEEDS ⅓ OF NET STUD DIMENSION

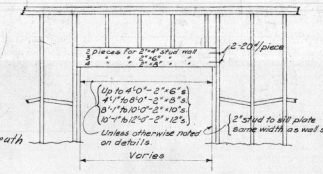


TYP BREAKS IN WALL FTGS

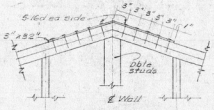


TYPICAL ARRANGEMENT OF STUDS

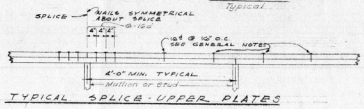
For Nailing See General Note 15(e) on sheet 21



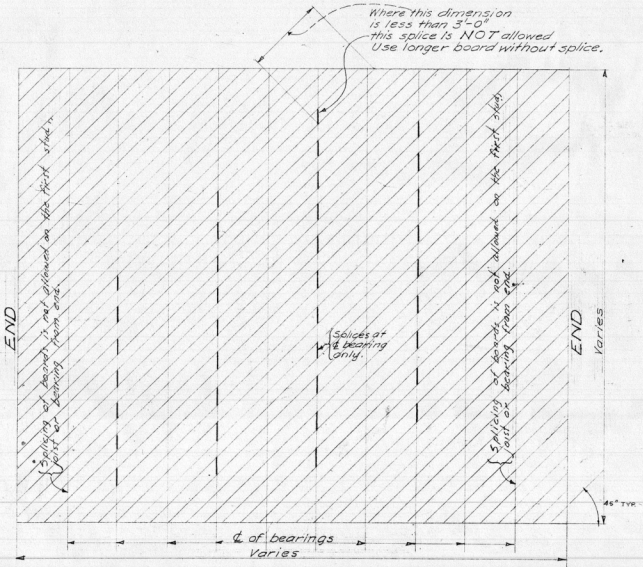
TYPICAL FRAMING AT OPENINGS



AT GABLE
Typical



TYPICAL SPLICE - UPPER PLATES



TYPICAL SPLICING FOR ROOF AND WALL DIAGONAL SHEATHING

Boards shall preferably be in single lengths. End joints in adjacent boards shall be separated by at least 2 joist, stud or bearing spaces.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

DATE OF CERTIFICATE OF REGISTRATION OF CIVIL ENGINEER 13226 EXPIRES 12-31-55

ENGINEER

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
Raymond J. Willis, ARCHITECT

TYPICAL STRUCTURAL DETAILS

ADDITION NO. 2 TO MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

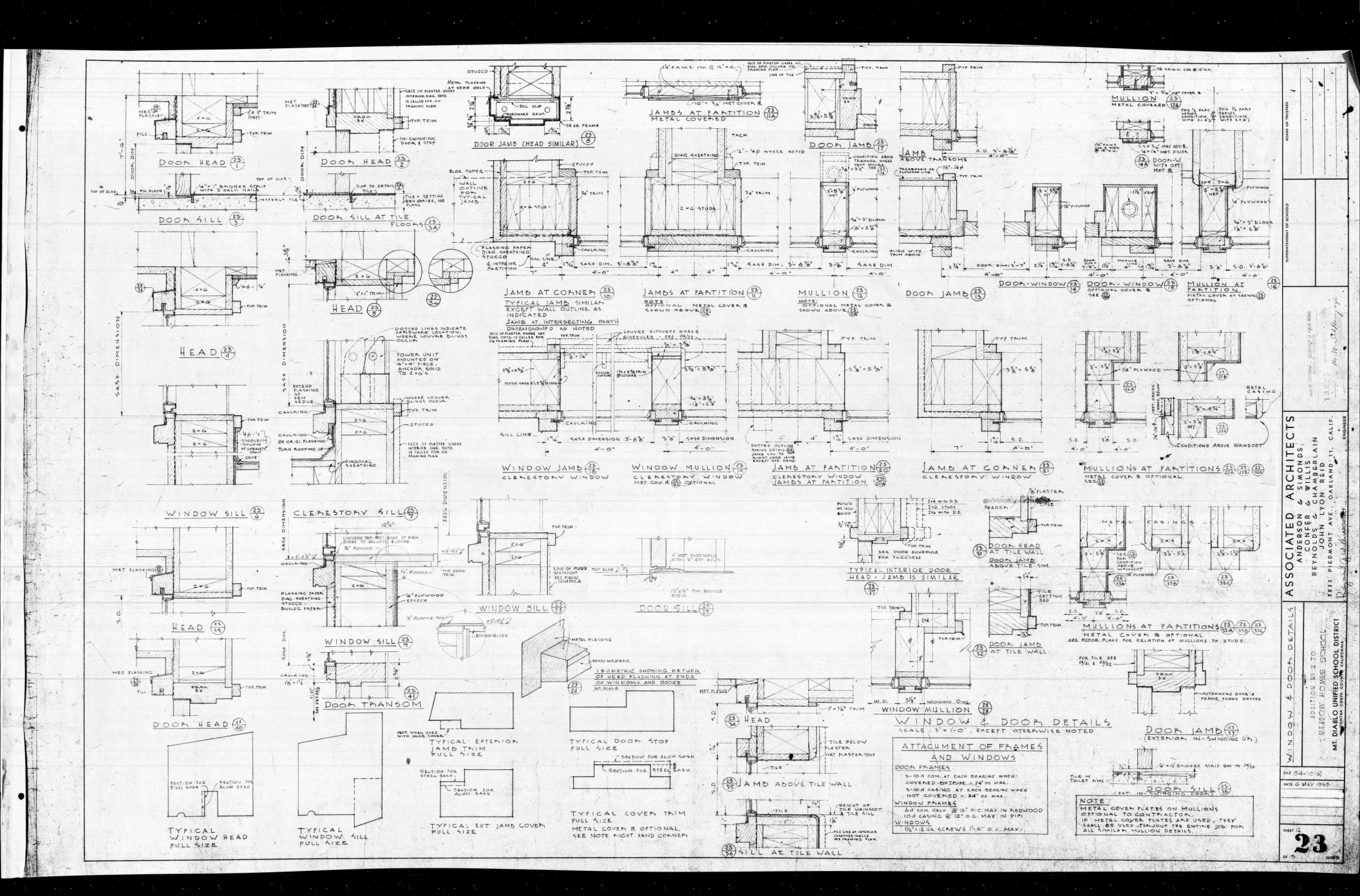
FILE 54-10-R

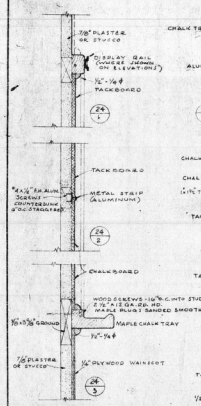
DATE 6 MAY 1955

SHEET 11

22

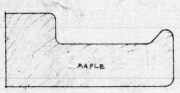
OF 15 SHEETS


DOOR HEAD (23/1)
DOOR HEAD (23/2)
DOOR SILL (23/3)
DOOR SILL AT TILE FLOORS (23/3A)
HEAD (23/4)
HEAD (23/5)
DOOR JAMB (HEAD SIMILAR) (23/8)
JAMBS AT PARTITION METAL COVERED (23/11A)
DOOR JAMB (23/17)
JAMB ABOVE TRANSOM
MULLION METAL COVERED (23/12A)
DOOR-W WITH OPT. MET. TR (23/14A)
DOOR-WINDOW (23/14)
DOOR-WINDOW OPTIONAL COVER R SEE (23/14A)
MULLION AT PARTITION METAL COVER AT SHOWN OPTIONAL (23/16)
JAMB AT CORNER (23/10)
TYPICAL JAMB SIMILAR EXCEPT WALL OUTLINE AS INDICATED
JAMB AT INTERSECTING PARTN
JAMBS AT PARTITIONS (23/11)
NOTE: OPTIONAL METAL COVER R SHOWN ABOVE (23/11A)
MULLION (23/12)
NOTE: OPTIONAL METAL COVER R SHOWN ABOVE (23/12A)
DOOR JAMB (23/15)
WINDOW JAMB CLERESTORY WINDOW (23/18)
WINDOW MULLION CLERESTORY WINDOW MET. COVER R OPTIONAL (23/19)
JAMB AT PARTITION CLERESTORY WINDOW JAMBS AT PARTITION (23/20)
JAMB AT CORNER CLERESTORY WINDOW (23/21)
MULLIONS AT PARTITIONS METAL COVER R OPTIONAL SEE (23/22A) (23/22B) (23/22C)
WINDOW SILL (23/6)
HEAD (23/19)
DOOR HEAD (23/40)
CLERESTORY SILL (23/7)
WINDOW SILL (23/7)
DOOR SILL (23/25)
WINDOW SILL (23/8)
DOOR TRANSOM (23/41)
TYPICAL INTERIOR DOOR HEAD - JAMB IS SIMILAR (23/17)
DOOR HEAD AT TILE WALL (23/31)
DOOR JAMB ABOVE TILE SIM.
DOOR JAMB AT TILE WALL (23/32)
MULLIONS AT PARTITIONS METAL COVER R OPTIONAL (23/33A) (23/33B) (23/33C)
SEE FLOOR PLANS FOR RELATION OF MULLIONS TO STUDS.
WINDOW MULLION (23/38)
HEAD (23/34)
JAMB ABOVE TILE WALL (23/35)
SILL AT TILE WALL (23/36)
DOOR JAMB (EXTERIOR IN-SWINGING DR.) (23/37)
DOOR SILL (23/38)
TYPICAL WINDOW HEAD FULL SIZE
TYPICAL WINDOW SILL FULL SIZE
TYPICAL EXTERIOR JAMB TRIM FULL SIZE
TYPICAL EXT JAMB COVER FULL SIZE
TYPICAL DOOR STOP FULL SIZE
TYPICAL COVER TRIM FULL SIZE METAL COVER R OPTIONAL, SEE NOTE RIGHT HAND CORNER
ISOMETRIC SHOWING RETURN OF HEAD FLASHING AT ENDS OF WINDOWS AND DOORS
ATTACHMENT OF FRAMES AND WINDOWS
DOOR FRAMES
3-10 d COM. AT EACH BEARING WHEN COVERED - EXTRUS. = 24" OC MAX.
3-10 d CASING AT EACH BEARING WHEN NOT COVERED - 24" oc MAX.
WINDOW FRAMES
3/4 GSM. GALV @ 12" O.C. MAX. IN REDWOOD
10d CASING @ 12" O.C. MAX. IN FIR
WINDOWS
1 1/2" x 12 GA. SCREWS 1'-6" O.C. MAX.
NOTE: METAL COVER PLATES ON MULLIONS OPTIONAL TO CONTRACTOR. IF METAL COVER PLATES ARE USED, THEY SHALL BE USED THROUGHOUT THE ENTIRE JOB FOR ALL SIMILAR MULLION DETAILS.
WINDOW & DOOR DETAILS
SCALE 3"=1'-0", EXCEPT OTHERWISE NOTED
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & HAMLIN
JOHN LYON REID
3833 PIEDMONT AVE., OAKLAND 11, CALIF.
WINDOW & DOOR DETAILS
ADDITION NO. 2 TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CALIFORNIA
FILE 54-108
DATE MAY 1965
SHEET 12 OF 15 SHEETS
23



CHALKBOARD AND TACK BOARD DETAILS

SCALE : 3" = 1'-0"



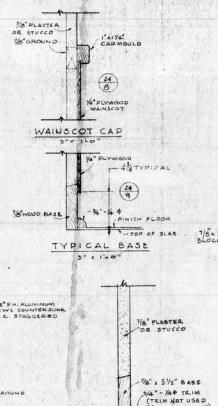
CHALK TRAY

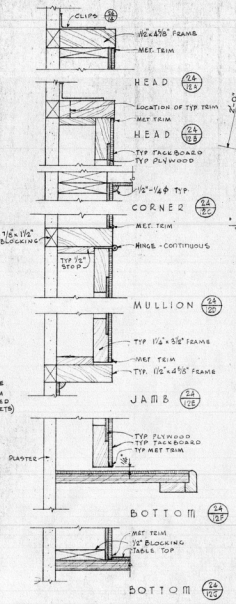
FULL SIZE

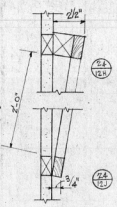


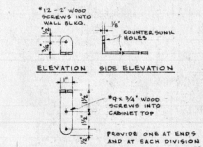
TYPICAL TRIM INTERIOR

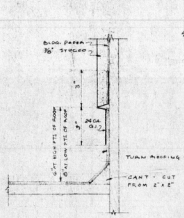
FULL SIZE

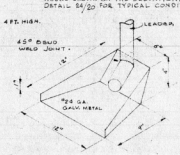


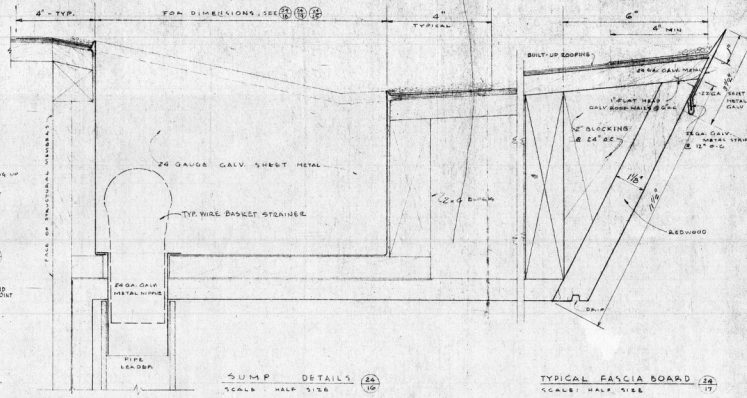


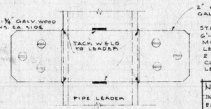


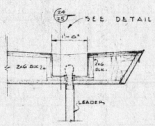


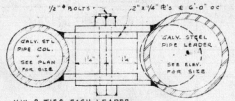


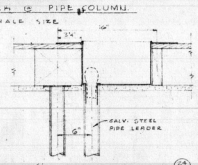


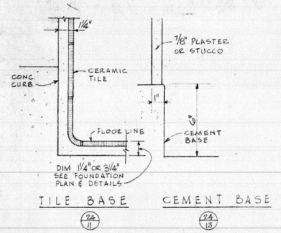


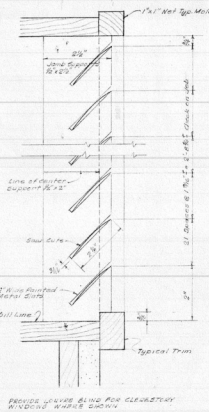


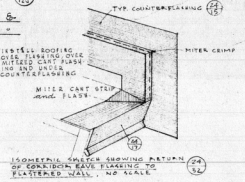












ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
WILES
REYNOLDS & SCHULER
JOHN LYON REID
2800 PARK BLVD., OAKLAND 10, CALIF.

MISCELLANEOUS DETAILS

ADDITION NO 2 TO MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
ENGINEER

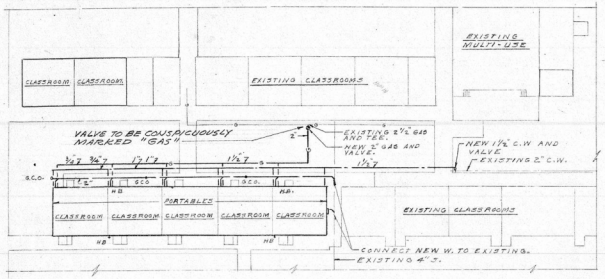
REV. 84-10-2

DATE 6 MAY 1955

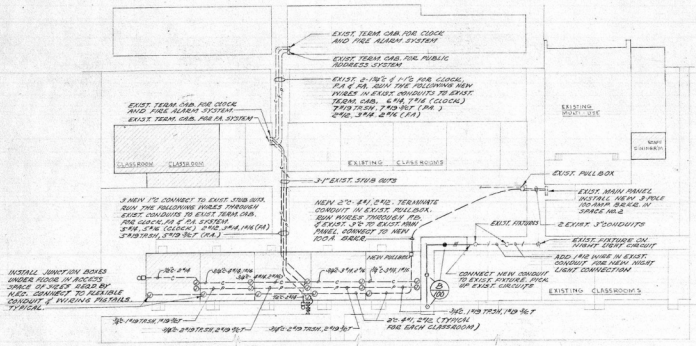
SHEET 15

24

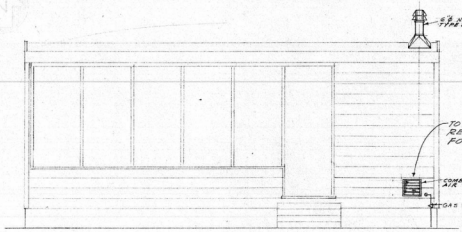
OF 15 SHEETS



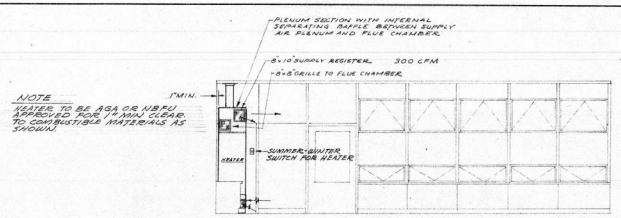
PLUMBING PLOT PLAN
SCALE 1"=30'-0"



ELECTRICAL PLOT PLAN
SCALE: 1"=30'0"

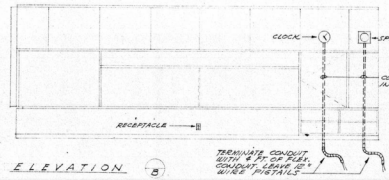


NORTH ELEVATION (E)
SCALE: ¼"=1'0"

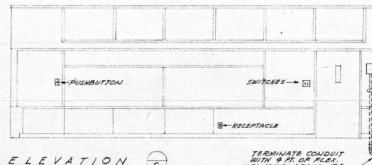


NOTE
HEATER TO BE AGA OR NIBFU APPROVED FOR 1" MIN. CLEAR TO COMBUSTIBLE MATERIALS AS SHOWN.

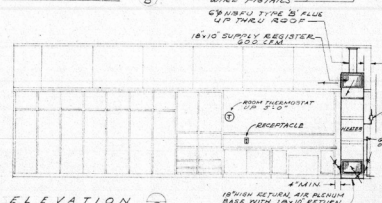
ELEVATION (A)



ELEVATION (B)

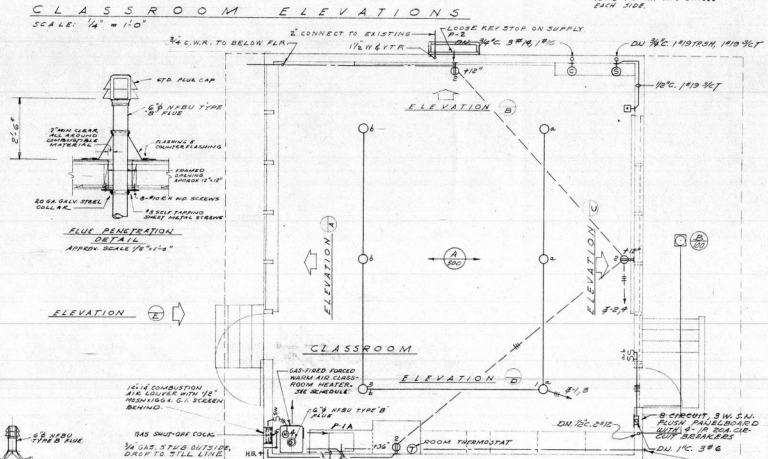


ELEVATION (C)



ELEVATION (D)

CLASSROOM ELEVATIONS
SCALE: ¼" = 1'-0"



FLOOR PLAN
SCALE ¼" = 1'0"

FIXTURE SCHEDULE AND CONNECTIONS				BRANCH			
NO.	FIXTURE	NOTES	H.W.H.T.	W	V	H.W.	C.W.
P-1A	CLASSROOM SINK	20x30	CTR	1½"	1½"	—	½"

P-1 CLASSROOM SINK
FIXTURE: EXCEPT NO. 3-6018 STAINLESS STEEL SINK AND DRAINBOARDS, WITH A 4" SPLASHBACK, DRILLINGS ONLY AS REQUIRED.
FITTINGS: AMERICAN STANDARD 8-387 CHROMARD STRAINER FOR 3½" OUTLET AND 1½" TAIL PIECE AND 8-7320 P TRAP
FAUCET AND BUBBLER: HAWS - 4GKG IN NEW DRILLING MOUNTED WITH CENTER 8" FROM FRONT OF SINK BOWL AND 3" TO RIGHT OF BOWL

CLASSROOM HEATER							
MAKE	MODEL NO.	BTU I&R IN MBH	BTU/HR OUTPUT	CFM @ 80	MOTOR HP	MOTOR VOLTS	FUTURE WATTS
JANITROL	30 MM	30000	72,000	900	¼	120	2-20x10

5-3-55 WS BRADLEY

ELECTRICAL FIXTURES

A 100 — GHOST HOLOPHANE "EDUCATOR" CONCENTRIC RING FIXTURE, CAT. NO. 1884-700 S WITH 500 WATT SILVERED BOWL LAMP AND STANDARD STEM LENGTH.
A 200 — PRESCOLITE RECESSED FIXTURE, 100 W. LAMP CAT. NO. 3010-RSSF

ELECTRICAL SYMBOLS

- INCANDESCENT CEILING FIXTURE
- DUPLEX RECEPTACLE, UP 18" UNLESS NOTED
- MOTOR OUTLET WITH COMPLETE CONNECTIONS
- S — SINGLE POLE SWITCH UP 52"
- S3W — SUMMER-WINTER SWITCH, UP 60"
- P — SPEAKER PUSHBUTTON, UP 52"
- SP — SPEAKER, UP 8'-9"
- C — CLOCK, UP 8'-9"
- CONDUIT & WIRES CONCEALED IN WALL & CEILING
- CONDUIT & WIRES UNDER FLOOR
- HOME RUN TO PANEL
- PROGRAM BELL OR GONG, UP 10'-0" ABOVE GRADE
- FIRE ALARM STATION-UP 4'-6" ABOVE GRADE
- FIRE ALARM HORN-UP 12'-0" ABOVE GRADE

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AS TO FORM: DEPARTMENT OF PUBLIC WORKS
COUNTY OF CONTRA COSTA, CALIFORNIA
DATE: 1955
APPROVED FOR FILING
18225
By: W. Salsberry

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
By: J. W. Willis ARCHITECT

ELECTRICAL, PLUMBING & HEATING PORTABLE CLASSROOMS

ADDITION NO 2 TO MEADOW HOMES SCHOOL

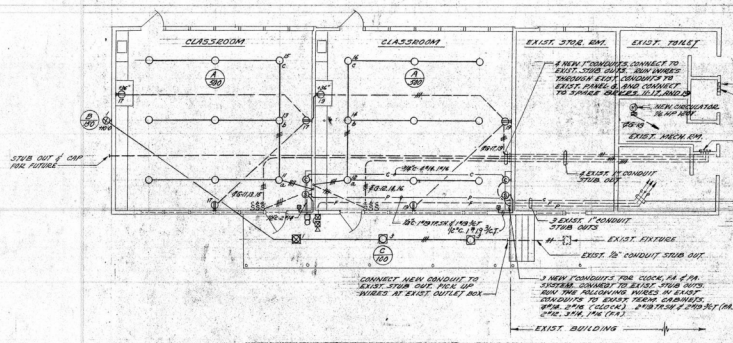
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 54-10-R

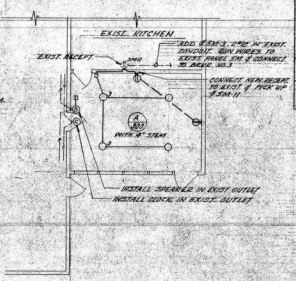
DATE MAY 1955

SHEET NO. 25

OF 151 SHEETS



ELECTRICAL FLOOR PLAN
(NEW CLASSROOMS)
SCALE: 1/8"=1'0"



ELECTRICAL FLOOR PLAN
(NEW STAFF DINING ROOM)
SCALE: 1/8"=1'0"

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATT	LOCATION	MOUNTING	MFR. NO.
A	FLUORESCENT CONCENTRIC RING FIXTURE, CAT. NO. 1200LF-32-SB, OR TO MATCH EXISTING.	300 / 200 / 38	CLASSRMS / DINING RM.	SUSPENDED	2'-6" STEM BELOW STRUT TO FLOOR
B	INCANDESCENT CAST ALUMINUM BRACKET FIXTURE, CAT. NO. 840	150	EXTERIOR	WALL	AS NOTED
C	PRESCOLITE RECESSED FIXTURE CAT. NO. 1010-6SLB	100	CORRIDORS	RECESSED	—

EARTHQUAKE PROOFING ELECTRIC LIGHTING FIXTURES

IF THE FIXTURE WEIGHS MORE THAN 5 POUNDS OR EXCEEDS 16 INCHES IN DIAMETER, IT SHALL NOT BE SUPPORTED ON THE SCREW SHELL OF THE LAMP HOLDER

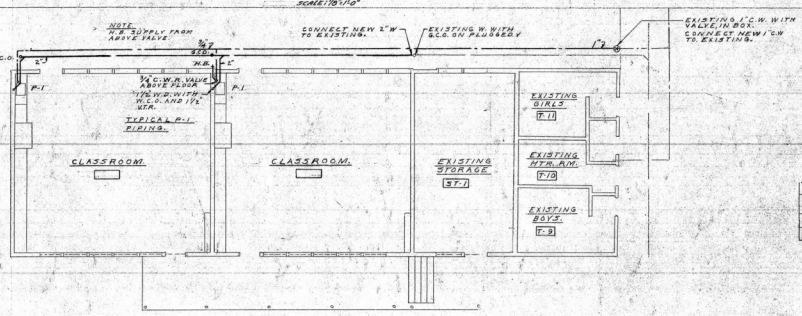
IF IT WEIGHS MORE THAN 56 POUNDS IT SHALL BE SUPPORTED INDEPENDENTLY OF THE OUTLET BOX. (DIAGRAM NOT IN TITLE 24)

FOR THREE RING FIXTURES WITH HOOKS, THE HOOKS SHALL BE TWISTED CLOSED.

THE FIXTURE SHALL BE SUCH THAT IT CAN SWING HORIZONTALLY IN ANY DIRECTION TEN DEGREES (10°) FROM THE VERTICAL FOR STEEL AND FIFTEEN (15°) FROM THE VERTICAL FOR POT METAL OR ALUMINUM.

SYMBOLS

- INCANDESCENT CEILING MOUNTED FIXTURE
- INCANDESCENT WALL MOUNTED FIXTURE
- INCANDESCENT RECESSED FIXTURE
- FIXTURES ON NIGHT LIGHT CIRCUIT, HALL OR CLG. MTD.
- DUPLEX RECEPTACLE, UP 18" UNLESS NOTED
- SINGLE POLE SWITCH, UP 52" UNLESS NOTED
- CLOCK, MTG. HEIGHT TO MATCH EXISTING
- PROGRAM BELL, MTG. HEIGHT TO MATCH EXISTING
- SPEAKER, MTG. HEIGHT TO MATCH EXISTING
- SPEAKER, RECESSED, MTG. HT. TO MATCH EXISTING.
- FIRE ALARM STATION, MTG. HT. TO MATCH EXISTING.
- FIRE ALARM HORN, MTG. HT. TO MATCH EXISTING
- JUNCTION BOX OR OUTLET BOX
- CONDUIT & WIRES CONCEALED UNDER GROUND OR FLOOR
- CLOCK SYSTEM CONDUIT
- PUBLIC ADDRESS SYSTEM CONDUIT
- FIRE ALARM SYSTEM CONDUIT
- CONDUIT & WIRES CONCEALED IN CEILING OR WALL; NO. 12 #12 UNLESS INDICATED, CROSS LINES INDICATE THHN#12 OR APPROVED EQUAL
- A/200 FIXTURE IDENTIFICATION TAG, LETTER INDICATE TYPE OF FIXTURE, LETTER INDICATE WATTAGE.



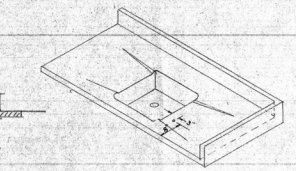
PLUMBING FLOOR PLAN
SCALE: 1/8"=1'0"

LINE LEGEND
W. WASTE
C.W. COLD WATER

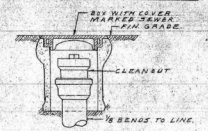
SYMBOLS

W.	WASTE
V.T.R.	VENT THRU ROOF
W.C.O.	WALL CLEAN OUT
B.C.O.	BASE CLEAN OUT
H.	HUB
D	DROP

FIXTURE SCHEDULE AND CONNECTIONS				BRANCH		
NO.	FIXTURE	NOTES	RIM HT.	W.	C.W.	
P-1	CLASSROOM SK	ST. STL.	ET.R.	1½"	1½"	¾"
P-2	DRINKING FTN	3 BUBS.	30"	1½"	1½"	¾"

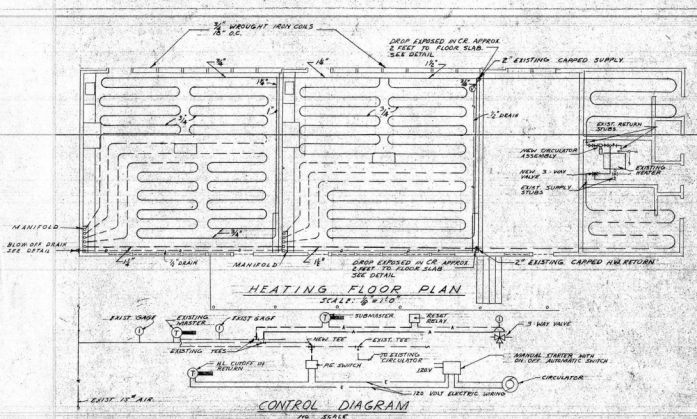


P-1 FAUCET & BUBBLER INSTALLATION
NO SCALE.



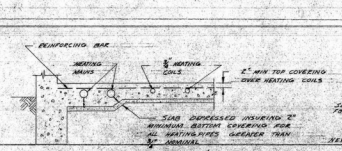
TYPICAL GRADE CLEANOUT
NO SCALE.

CIRCULATOR SCHEDULE						
MAKE	SIZE	GPM	HEAD	H.P.	VOLT. ~ ø	STARTER
BELLE GASSET	1½" IN.	20	10	1/6	120-60-1	MANUAL

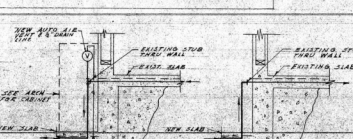


HEATING FLOOR PLAN
SCALE: 1/8"=1'0"

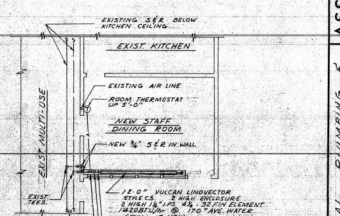
CONTROL DIAGRAM
NO SCALE



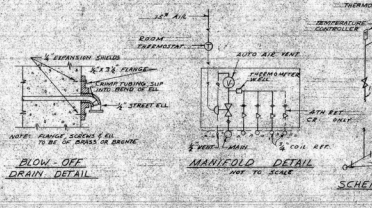
TYPICAL SLAB DETAIL
NOT TO SCALE



SUPPLY MAIN
RETURN MAIN
PIPING DETAIL BETWEEN CLASSROOMS

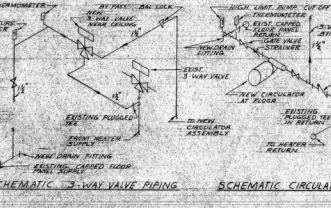


NEW STAFF DINING ROOM ADDITION
SCALE: ¾"=1'-0"



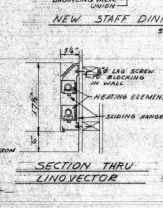
PLOW-OFF DRAIN DETAIL

MANIFOLD DETAIL
NOT TO SCALE

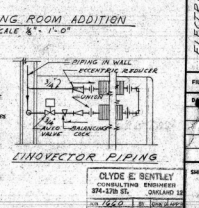


SCHEMATIC 3-WAY VALVE PIPING

SCHEMATIC CIRCULATOR PIPING



SECTION THRU LINEVECTOR



LINEVECTOR PIPING

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
1800 PARK BOULEVARD OAKLAND 10, CALIF.

ELECTRICAL, PLUMBING, & HEATING

ADDITION NO 2 TO MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

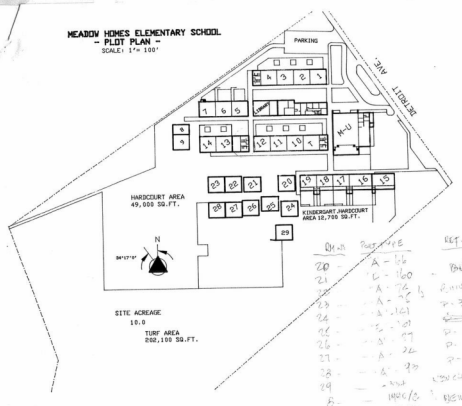
ADA DEPARTMENT OF EDUCATION APPROVAL NO. 1322 APPROVED MAY 7 1955

FILE 54-10-R

DATE MAY 1955

SHEET 15 OF 15 SHEETS 26

CLYDE E. SENTLEY
CONSULTING ENGINEER
374-17th ST.
OAKLAND 12
TEL
JOB NO.
DATE 5-18-55
BY
DRN. BY





- NOTES: -

1. Construction and materials shall conform to City of Concord Standard Specification adopted June 13 1955 by resolution No 825.
2. B.M. Spike in power pole North side Detroit Ave 125± East of L.H. Elev. 4980 City of Concord datum.
3. Verify existing ft. before commencing work.
4. Fill in existing septic tank with earth, estimated at 150 cubic yards.
5. Replace all existing structures, paving, etc. removed or damaged in accomplishing this construction.

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & WELLS
JOHN L. HAMILTON
JOHN REID
2800 PARK BOULEVARD, OAKLAND, 10, CALIF.
ARCHITECT

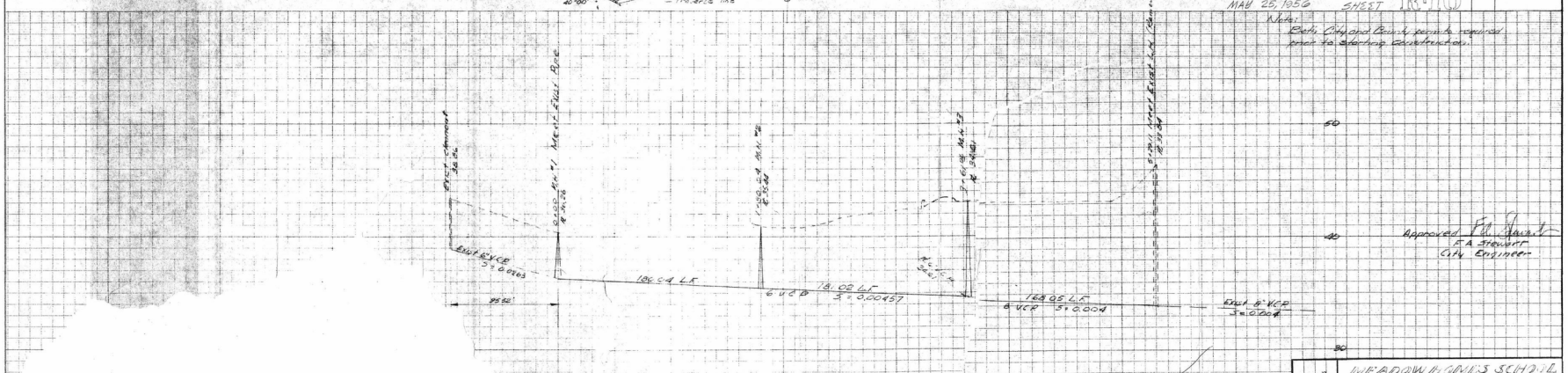
SOIL LINE CONSTRUCTION & SEPTIC TANK ALTERATION PLANS

MEADOW HOMES SCHOOL

MT. DIABLO UNIFIED SCHOOL DIST.
CONTRA COSTA COUNTY CALIF.

MAY 25, 1956 SHEET IR-10

Note: Both City and County permits required prior to starting this treatment.



MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT, CONCORD, CALIF.

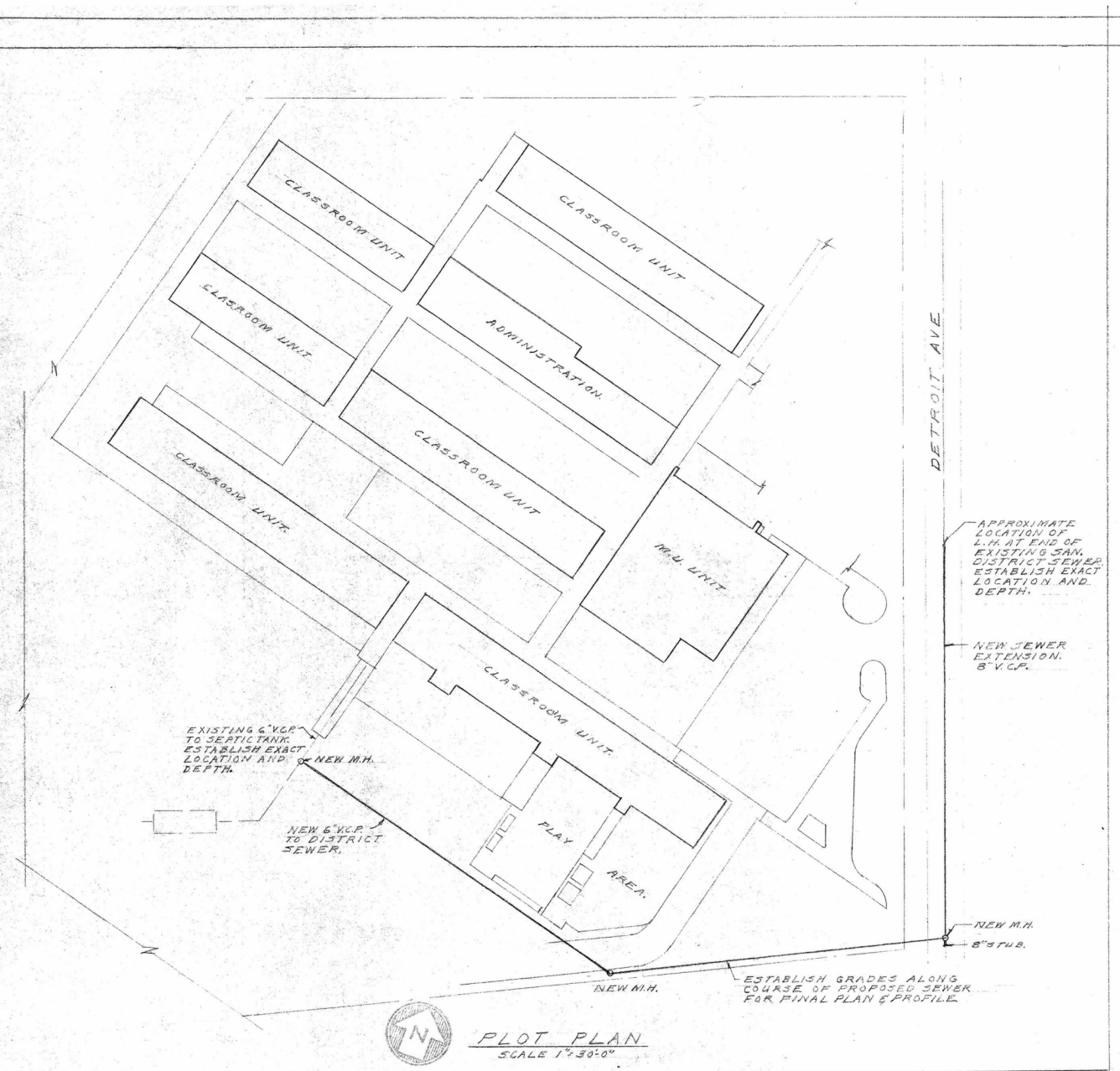
CONSTRUCTION PLANS

NORMAN T. RIFFE—CIVIL ENGINEER
A PARTNERSHIP
MARTINEZ, CALIFORNIA

NO.	BY	DATE	REVISION
1			As-Built Condition

SCALE: Hor. 1"=40' Vert. 1"=4' SHT. 1 OF 1 SHTS. DATE 4-26

EL 5748-E



PLOT PLAN

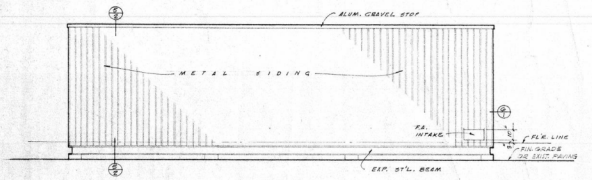
SCALE 1"=30'-0"

CLYDE E. BENTLEY
CONSULTING ENGINEER
3376-17th ST. OAKLAND 19

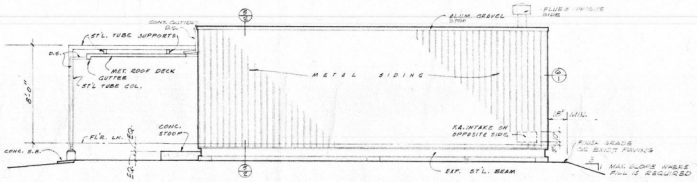
JOB 1680 BY CHK'D APP'D
DATE 8/16/65 N.S.

PROPOSED SEWER CONNECTION
MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT

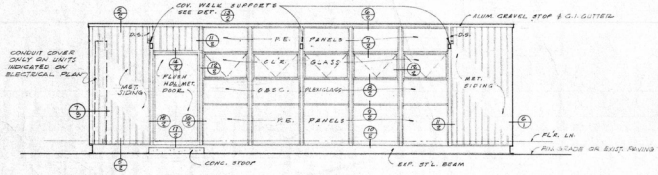
ASSOCIATED ARCHITECTS
366-40th ST OAKLAND CALIFORNIA.



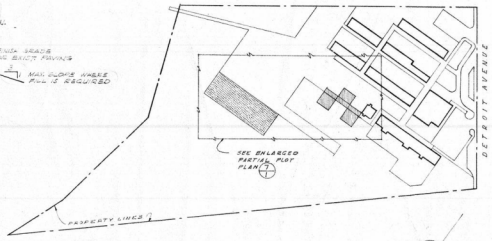
1/1 REAR ELEVATION
SCALE 1/4" = 1'-0"



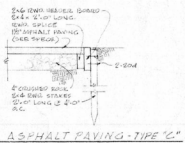
2/1 SIDE ELEVATION
OPPOSITE SIDE SIMILAR - REVERSED
SCALE 1/4" = 1'-0"



3/1 FRONT ELEVATION
SCALE 1/4" = 1'-0"



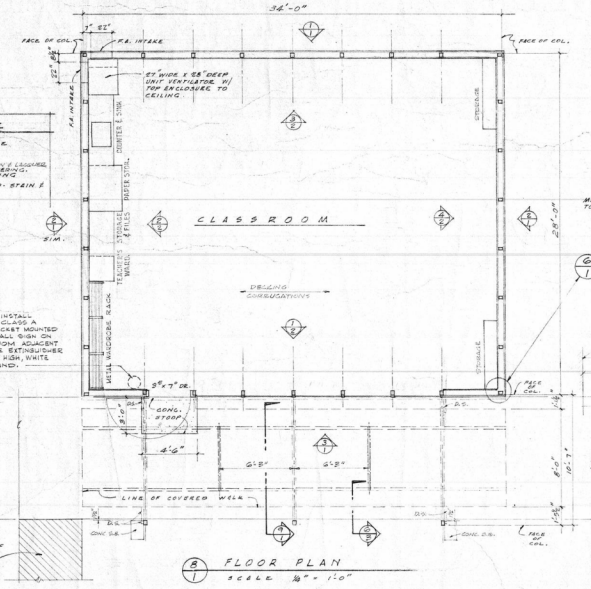
5/1 PLOT PLAN
SCALE 1" = 120'-0"



11/1 ASPHALT PAVING - TYPE "C"
SCALE 1"=1'-0"

LEGEND

- EXISTING CONSTRUCTION
- NEW CONSTRUCTION
- EXISTING PAVING
- NEW PAVING

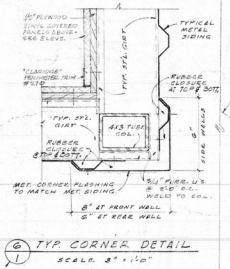


8/1 FLOOR PLAN
SCALE 1/4" = 1'-0"

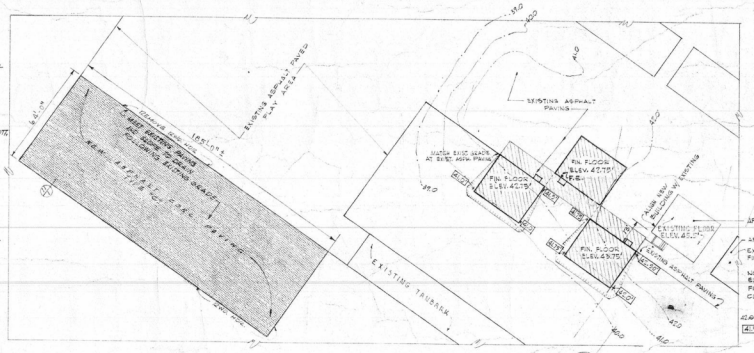
FINISH SCHEDULE

FLOOR	VINYL ASBESTOS TILE.
BASE	4" RUBBER TOP SET.
WALLS	1/4" D.F. PLYWOOD - STAIN & LACQUER (U.N.O.) FINISHED WITH POLYCRYLIC.
CEILING	EXPOSED MET. DECKING
CABINETS	D.F. AND D.F. PLYWOOD - STAIN & LACQUER
TRIM	ALUMINUM

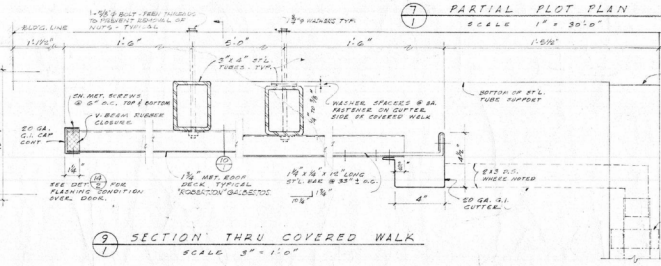
NOTE:
ON UNIT MARKED F.E., PROVIDE & INSTALL ONE 10 LB. GALLON U.L. APPROVED CLASS A FIRE EXTINGUISHER WITH WALL BRACKET MOUNTED WHERE INDICATED. PURCHASE AND INSTALL SIGN ON EXTERIOR OF PORTABLE CLASSROOM ADJACENT TO ENTRANCE DOOR TO READ "FIRE EXTINGUISHER INSIDE". LETTERS SHALL BE 1/2" HIGH, WHITE LETTERS ON A RED BACKGROUND.



6/1 TYP. CORNER DETAIL
SCALE 3" = 1'-0"



7/1 PARTIAL PLOT PLAN
SCALE 1" = 30'-0"



9/1 SECTION THRU COVERED WALK
SCALE 3" = 1'-0"



10/1 COVERED WALK DETAIL
SCALE 1 1/2" = 1'-0"

INDEX OF DRAWINGS

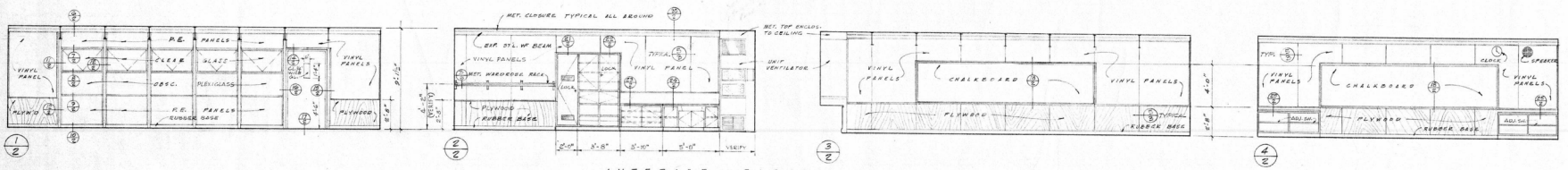
	TITLE OF SHEET
1	PLOT PLAN, FLOOR PLAN, EXT. ELEVS., DETAILS
2	INT. ELEVS., CABINET DETAILS, DETAILS
3	T'W SECTION, ROOF PLAN, M.I.D. DETAILS
4	FOUNDATION PLAN, FRAMING PLANS, DETAILS
5	ELECTRICAL, HEATING, PLUMBING, PLANS & DETAILS

CONFER ANDERSON ARCHITECTS AIA ASSOCIATES
366 FORTIETH STREET
OAKLAND, CALIFORNIA

PLOT PLAN - FLOOR PLAN - EXT. ELEVATIONS
PREFABRICATED CLASSROOM BUILDINGS
ADDITION #1 MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT

SHEET 1 OF 5
DATE DEC. 4, 1962
REVISED

DRAWN
APPROVED

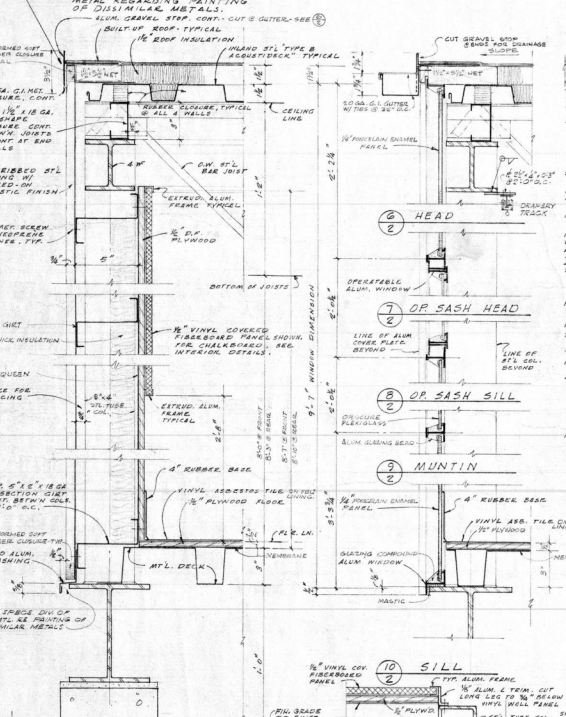


1/2 2/2 3/2 4/2

INTERIOR ELEVATIONS

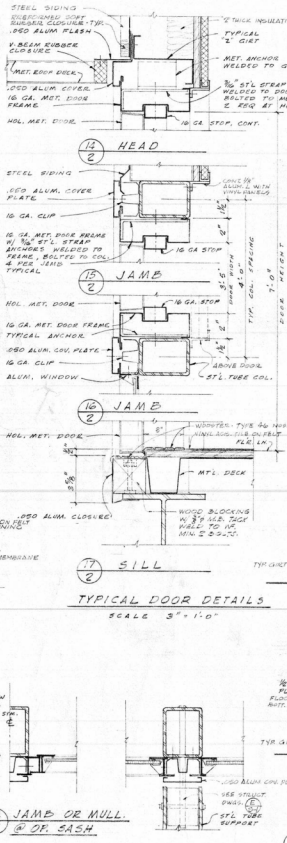
SCALE 1/4" = 1'-0"

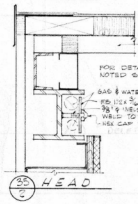
NOTE: SEE SPECS. DIV OF SHEET METAL REGARDING PAINTING OF DISSIMILAR METALS.



2/2 TYPICAL WALL SECTION @ FRONT & REAR WALLS 3" = 1'-0"

END WALLS SIMILAR EXCEPT AS NOTED

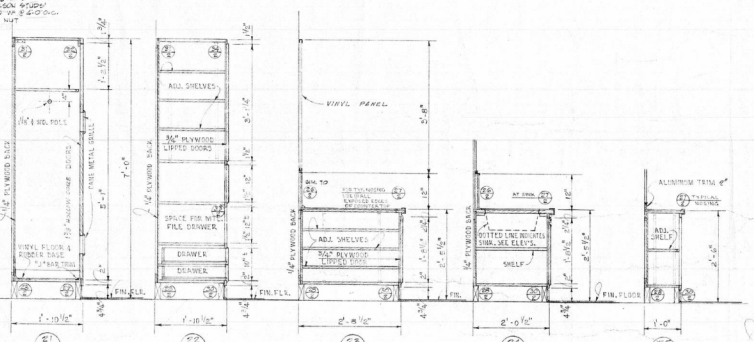




TYPICAL DOOR FRAME

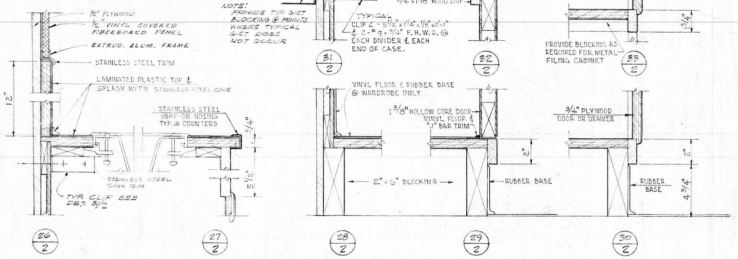
SCALE ½ FULL SIZE

NOTE: ATTACH ALL CABINETS SHELVED SECURELY TO STRUCTURE. SEE DETAIL 9/6.



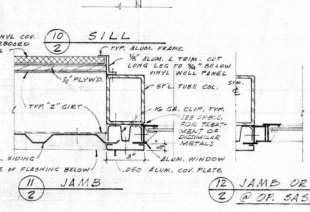
CABINET SECTIONS

SCALE ⅜" = 1'-0"



MILLWORK DETAILS

SCALE 3" = 1'-0"



TYPICAL WINDOW WALL DETAILS

SCALE 3" = 1'-0"

TYPICAL DOOR DETAILS

SCALE 3" = 1'-0"

CONFER + ANDERSON
ARCHITECTS AIA + ASSOCIATES
366 FORTIETH STREET OAKLAND, CALIFORNIA
70 DORMAY DRIVE PLEASANT HILL, CALIFORNIA

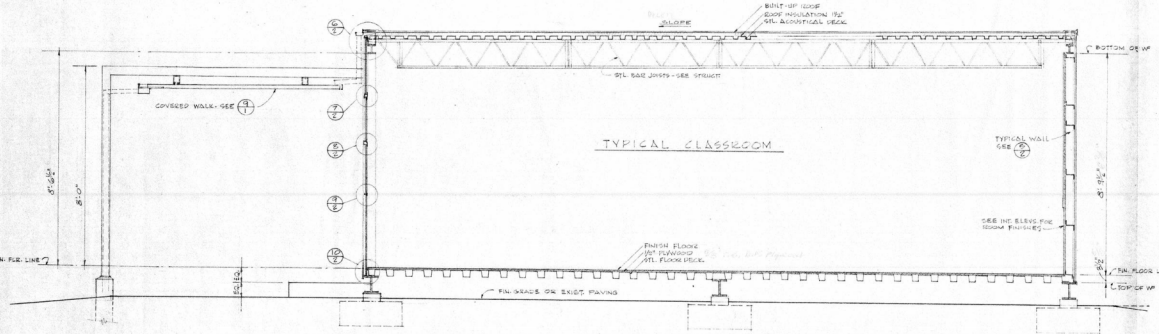
DRAWN
APPROVED

WALL SECTIONS - INT. DETAILS
PORTABLE CLASSROOM BUILDINGS
ADDITION #4 MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CALIFORNIA

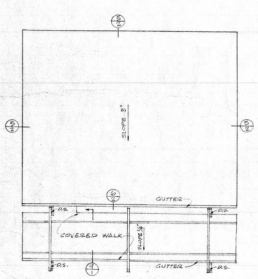
SHEET 2 OF 5

DATE DEC. 4, 1962

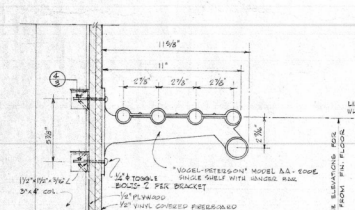
REVISED



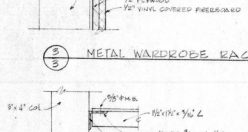
1/3 TYPICAL SECTION SCALE 1/8"=1'-0"



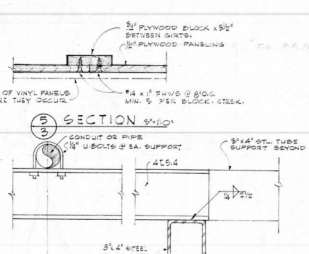
4/3 ROOF PLAN SCALE 1/8"=1'-0"



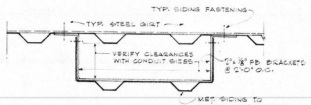
5/3 METAL WARDROBE BACK SCALE 3"=1'-0"



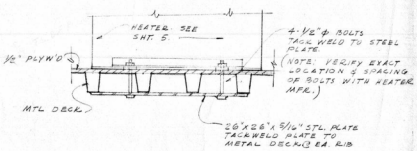
6/3 SECTION 3"=1'-0"



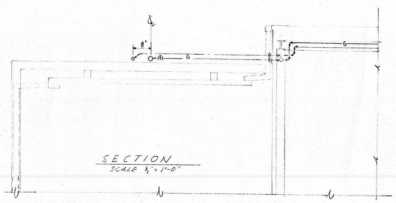
7/3 SECTION 3"=1'-0"

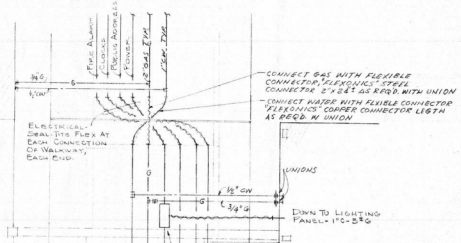


8/3 SECTION 3"=1'-0"

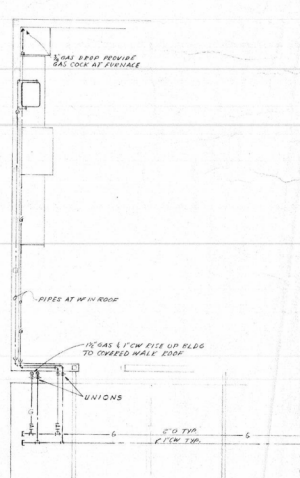


8/3 SECT. @ HEATER 1½"=1'-0"





COVERED WALK PLAN SCALE ¼"=1'-0"



TYPICAL CLASSROOM SCALE ¼"=1'-0"

CONFER + ANDERSON
ARCHITECTS AIA + ASSOCIATES
366 FORTIETH STREET OAKLAND, CALIFORNIA
70 DORAY DRIVE PLEASANT HILL, CALIFORNIA

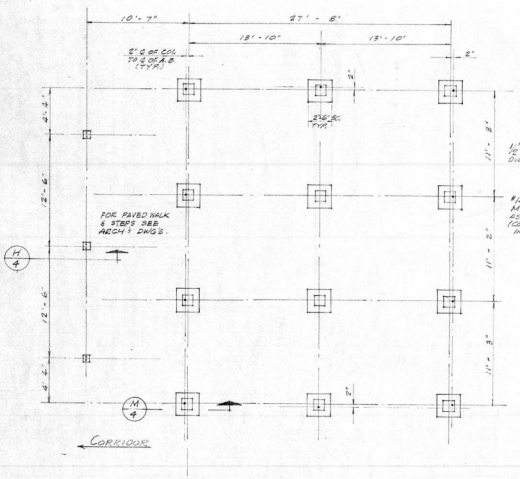
DRAWN
APPROVED

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
BY
DATE JUL 3 1962

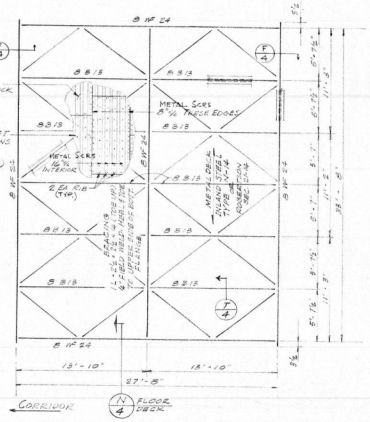
TYP. SECTION, ROOF PLAN, COVERED WALK, WALK PLAN
POST & BEAM CLASSROOMS

ADDITION #4 MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

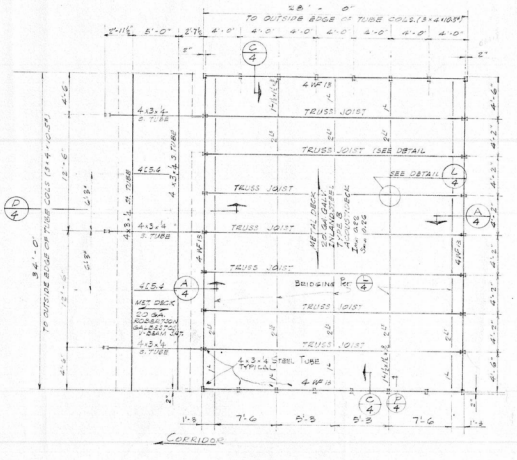
SHEET 3 OF 5
DATE DEC. 4, 1962
REVISED



FOUNDATION PLAN



FLOOR FRAMING PLAN



ROOF FRAMING PLAN

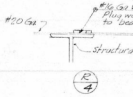
GENERAL NOTES

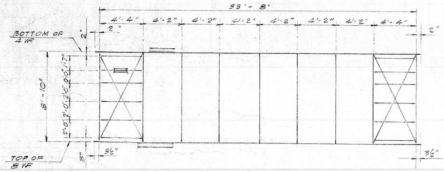
FOUNDATION:
ACTUAL FOUNDATION PRESSURE ARE :
MAXIMUM DEAD LOAD PRESSURE = 600 P.S.F.
MAXIMUM D.L + L.L. PRESSURE = 1200 P.S.F.
FOOTING PADS SHALL BE EXTENDED TO DEPTH SUFFICIENT TO DEVELOP THE ABOVE MAXIMUM SOIL PRESSURE AS DETERMINED BY STRUCTURAL ENGINEER.

CONCRETE
SHALL DEVELOP A MINIMUM ULTIMATE STRENGTH AT 28 DAYS OF 2000 P.S.I.

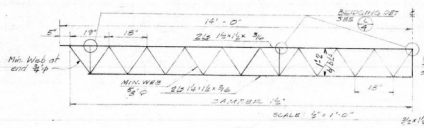
STEEL WORK
STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. SPECIFICATION A-7.
WELDING SHALL BE DONE BY WELDERS QUALIFIED IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 21 SECTION 8.16.
HOLES FOR BOLTS IN STEEL MAY BE PUNCHED 1/16 OVER NOMINAL BOLT DIAMETER, HOLES IN TUBING SECTIONS SHALL BE DRILLED-1/16 OVERSIZE.
BEAM CONNECTIONS SHALL BE A.I.S.C. SERIES B. WITH REGULAR MACHINE BOLTS & LOCK WASHERS.
ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED AS CALLED FOR IN SPECIFICATIONS.
ALL ABRASIONS, BOLTS & WELDS SHALL BE FIELD PAINTED THE SAME AS SHOP COAT AFTER ERECTION IS COMPLETE & BEFORE FINAL PAINTING.

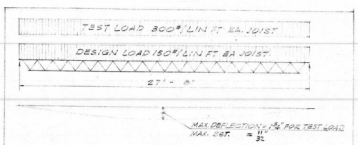
METAL FLOOR & ROOF DECK
METAL DECK SHALL BE WELDED TO THE SUPPORTING FRAMES WITH 3/4" DIAMETER PENETRATION PLUG WELDS, NOT LESS THAN 1" FROM END OF UNITS. WELDS SHALL BE SPACED AS FOLLOWS
FLOOR DECKS USE 4 WELDS PER 24" WIDE AT ENDS OF UNITS AND 3 WELDS PER 24" WIDE AT INTERIOR BEARINGS.
SIDE LAPS SHALL BE WELDED AT NOT OVER 24'-0" CENTERS WITH A 1" LONG FUSION WELD THRU THE TOP OF FEMALE LIP.
ROOF DECKS USE 5 WELDS PER 24" WIDE AT ENDS OF UNITS AND 3 WELDS PER 24" WIDE AT INTERIOR BEARINGS WELD SIDE LAPS AS FLOOR UNITS. ROOF DECK TO BE WELDED USING WASHER WELDS PER A/41





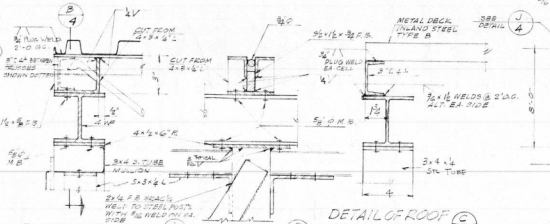
FRONT WALL FRAMING



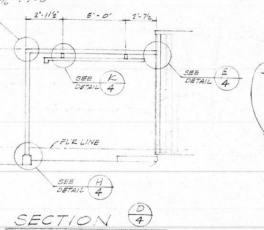


JOISTS SHALL BE LOAD TESTED AS REQUIRED IN SECTION 906 OF TITLE 21. TEST LOAD GIVEN ABOVE INCLUDE WEIGHT OF JOISTS & TEST PLATFORM. JOIST SHALL SUSTAIN THE LOAD FOR 12 HOURS WITH OUT EXCEEDING THE DEFLECTIONS SHOWN ABOVE. PERMANENT SET UPON REMOVAL OF LOAD SHALL NOT EXCEED THE AMOUNT SHOWN ABOVE. METHOD OF MAKING THE TEST SHALL BE APPROVED BY THE STATE DIVISION OF ARCHITECTURE. JOISTS SHALL BE FABRICATED TO STEEL JOIST INSTITUTE SPECIFICATIONS BUT CHORDS & WEB SHALL BE AT LEAST THE SIZE SHOWN

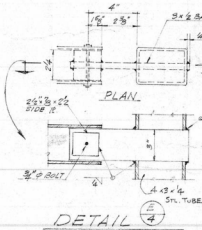
LOAD TEST & JOISTS DETAIL



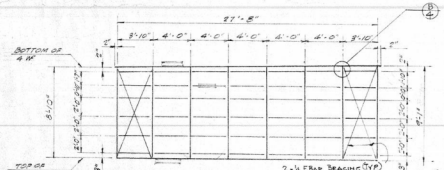
ROOF JOIST CONN. (A/4) SECTION (B/4) DETAIL OF ROOF DECK CONN. (C/4)



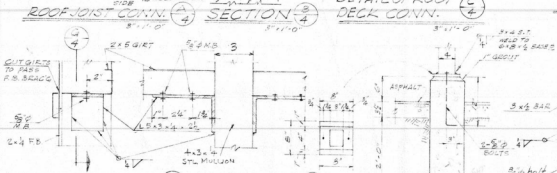
SECTION (D/4)



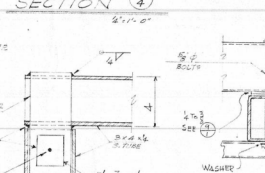
DETAIL (H/4)



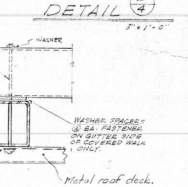
SIDE WALL FRAMING (TYP.)



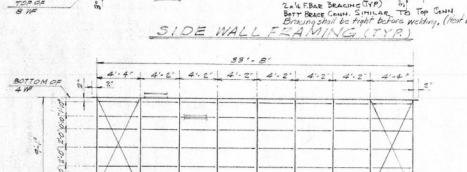
WALL GIRT CONN. (B/4) SECTION (J/4)



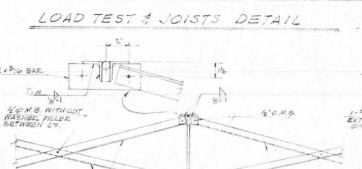
DETAIL (J/4)



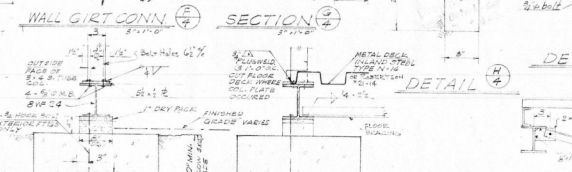
DETAIL (L/4)



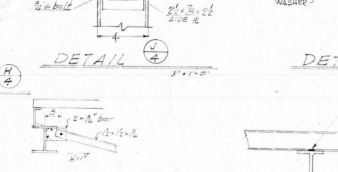
REAR WALL FRAMING



TYPICAL BRIDGING (L/4)



TYPICAL FOOTINGS (M/4)



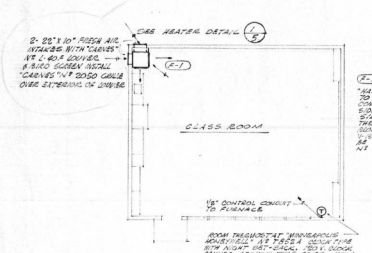
DETAIL OF FL. DECK CONNECTIONS (N/4)

CONFER & ANDERSON
ARCHITECTS AIA & ASSOCIATES
3146 PORTER STREET OAKLAND, CALIFORNIA
700 DORAT DRIVE PLEASANT HILL, CALIFORNIA

DRAWN
APPROVED

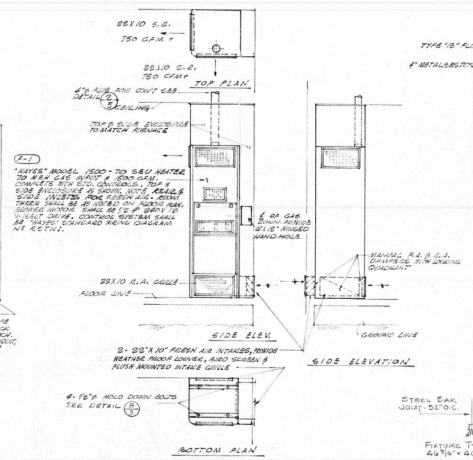
FOUNDATION & FRAMING PLANS & DETAILS
ADDITION No 4 MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

SHEET 4 OF 5
DATE Dec. 4, 1962
REVISED



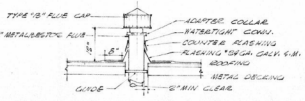
HEATING FLOOR PLAN

3/8" = 1'-0"



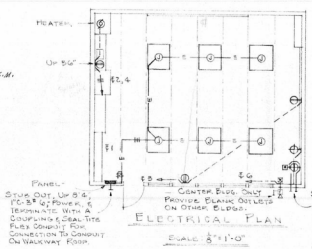
HEATER DETAIL 1/5

3/8" = 1'-0"



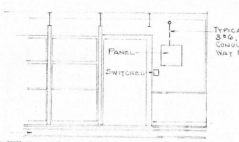
FLUE DETAIL 6/5

1/2 Scale



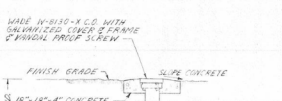
ELECTRICAL PLAN

SCALE 1/4"=1'-0"



ELEVATION

SCALE 1/4"=1'-0"



FIXTURE MOUNTING DETAIL

No Scale

SYMBOLS

- ⊡ FLUORESCENT LIGHTING FIXTURE.
- ⊖ DUPLEX CONVENIENCE RECEPTACLE, MOUNTING HEIGHT AS NOTED.
- ⊙ JUNCTION OR PULL BOX.
- Ⓜ MOTOR, SIZE AS NOTED.
- ⊖C CLOCK & BUZZER, MOUNTING HEIGHT 7'-10".
- ⊖S SPEAKER, MOUNTING HEIGHT 7'-10".
- ⊖PB SPEAKER PUSHBUTTON, MOUNTING HEIGHT 5'-2".
- ⊖ SINGLE POLE TUMBLER SWITCH, UP 5'-2"
- —E— EXPOSED CONDUIT.
- - - CONDUIT UNDER FLOOR.
- ▬ LIGHTING PANEL.
- ⊠H EVACUATION ALARM BUTTON, UP 5'-6".
- ⊠H FIRE ALARM HORN, UP 7'-0", STATION UP 5'-6".

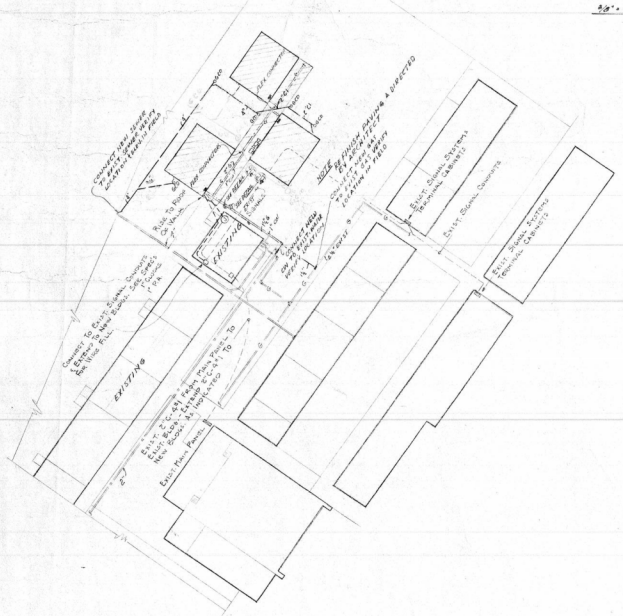
LIGHTING FIXTURE

A WELLMADE "PORTALITE" FLUORESCENT LIGHTING FIXTURE, CAT. # 180 OP-48 SR-D, WITH FINE LINE PLASTIC, CHANNEL HANGER, & 4-48" STANDARD WARM WHITE FLUORESCENT TUBES. SEE FIXTURE MOUNTING DETAIL.

PANELBOARD

CIRCUIT	POLES	AMPS	VOLTS	REMARKS
1	1	20	120	LIGHTS
2	1	20	120	RECEPT.
3	1	20	120	RECEPTS.
4	1	20	120	HEATER
5	1	20	120	EVAC. ALARM
6	1	20	120	SPARE
MAIN	2	40	240	MAIN BREAKER

PANEL SHALL BE FLUSH MOUNTED, (12) 360 V-SW-NN

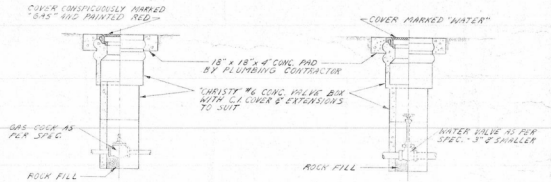


PARTIAL PLOT PLAN

SCALE 1" = 30'-0"

GRADE CLEANOUT

CLEANOUT DETAIL P-3/5



DETAIL P-2/5

GAS VALVE BOX

NO SCALE

DETAIL P-1/5

WATER VALVE BOX

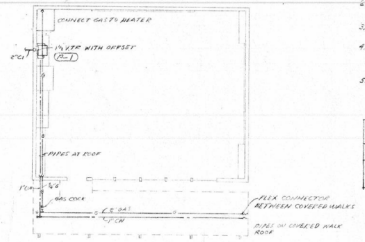
NO SCALE

GENERAL NOTES

1. VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCING WORK.
2. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR LOCATING EXISTING SERVICES AND MAKE SERVICEABLE CONNECTIONS TO SAME.
3. HOSE BIBBS SHALL BE 1'-6" UP, UNLESS OTHERWISE STIPULATED BY THE ARCHITECT.
4. ALL UNDERGROUND PIPING SHALL BE RUN WITH A MINIMUM OF 2'-0" COVER BELOW FINISH GRADE UNLESS OTHERWISE SHOWN OR APPROVED BY THE ARCHITECT.
5. CO-ORDINATE DETAIL LOCATIONS OF FIXTURES - VALVES, BOXES, ETC., WITH ARCHITECTURAL AND SITE REQUIREMENTS.

LEGEND

SYMBOL	NAME
	EXISTING LINE (TYPE DESIGNATED)
S	SANITARY SEWER OR WASTE (ABOVE GRADE)
S	SANITARY SEWER OR WASTE (BELOW GRADE)
CW	COLD WATER
G	GAS
HB	HOSE BIBB
GC	GAS COCK
GCO	GAS COCK IN BOX
GV	GATE VALVE IN BOX
GCO	GRADE CLEANOUT



PLUMBING FLOOR PLAN

TYP. PORTABLE CLASSROOM

SCALE 1/4"=1'-0"

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	WASTE	TRAP	VENT	CW	MFR	SIZE	PLATE #	TRIM & REMARKS
P-1	CLASSROOM SINK	2"	1½	1½	½	HAWS	20x20	2046	LEA, ENE, STRAINER & MOUNTING RIM
HB	HOSE BIBB, RENCAL #66LK ROOM PLATE LOOSE KEY				¾				

CONFER ANDERSON ARCHITECTS AIA ASSOCIATES
769 FORTIETH ST. OAKLAND, CALIFORNIA
700 DONAHUE PLEASANT HILL, CALIFORNIA

ELECTRICAL - PLUMBING - HEATING
PORTABLE CLASSROOM BUILDING
ADDITION TO MEADOW HOMES SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIF.

SHEET 5 OF 5

DATE DEC. 4, 1962

REVISED

DRAWN

APPROVED

PREPARED IN STATE OF CALIFORNIA

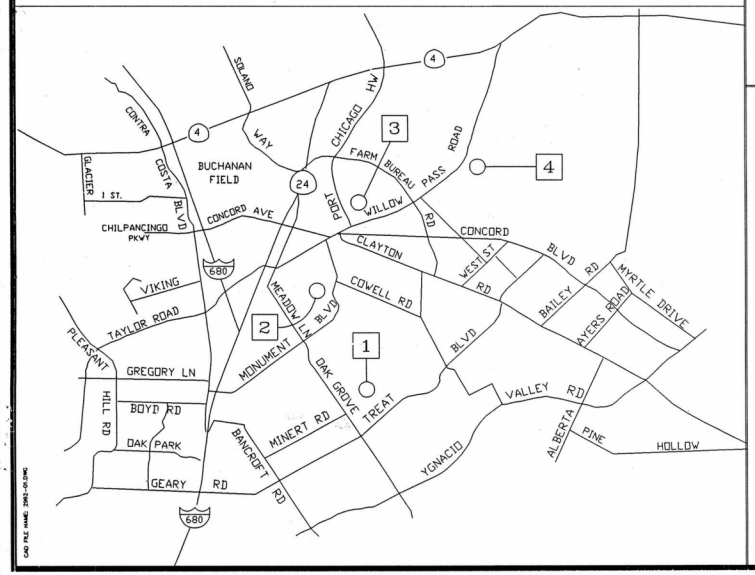
DATE JUNE 3, 1962

MT. DIABLO UNIFIED SCHOOL DISTRICT

CONCORD, CA

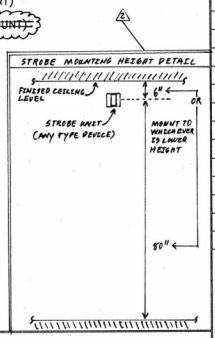
1	YGNAICIO VALLEY ELEMENTARY SCHOOL 2217 CHALOMAR ROAD CONCORD, CALIFORNIA 94518	[YVES]
2	MEADOW HOMES ELEMENTARY SCHOOL 1371 DETROIT AVENUE CONCORD, CALIFORNIA 94520	[MHES]
3	OLYMPIC HIGH SCHOOL 2730 SALVIO STREET CONCORD, CALIFORNIA 94519	[OHS]
4	MONTE GARDENS SCHOOL 3841 LARKSPUR DRIVE CONCORD, CALIFORNIA 94519	[MGS]

VICINITY MAP



LEGEND

- HORN STROBE (WALL MOUNT)
- MINI HORN STROBE (WALL MOUNT)
- MINI HORN STROBE (CEILING MOUNT)
- STROBE (WALL MOUNT)
- HORN (WEATHERPROOF)
- MANUAL PULL STATION
- DUCT SMOKE DETECTOR
- FACP — FIRE ALARM CONTROL PANEL
- ANNUN — ANNUNCIATOR PANEL
- TERMINAL BOX



FIRE ALARM NOTES

1. INSTALLATION SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES.
2. INSTALLATION SHALL CONFORM WITH THE UBC/C.C.R.-T-24/PART 2-1991 SECTION 809 AND NFPA 72, NEC/C.C.R.-T-24/PART 3 1991 ARTICLE 760, AND NFPA 72E, 720, 72H WITH CALIFORNIA AMENDMENTS.
3. ALL WIRE SHALL BE INSTALLED AND PROTECTED IN APPROVED RACEWAYS IN ACCORDANCE WITH THE NEC/C.C.R.-T-24/PART 3-1991 760-29B OR IN ACCORDANCE WITH ARTICLE 725/760.
4. MANUAL PULL STATIONS SHALL BE LOCATED PER CODE AND MOUNTED AT 48" TO CENTER LINE ABOVE FINISHED FLOOR. REFERENCE CALIFORNIA/NATIONAL ELECTRICAL CODE 760-9.
5. THE LOCAL AUTHORITY HAVING JURISDICTION SHALL WITNESS THE FINAL TESTING OF THE FIRE ALARM SYSTEM.
6. DRAWINGS SHALL BE IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE ARTICLE 809 CHAPTER 72, NFPA, CALIFORNIA/NATIONAL ELECTRICAL CODE 760-7.
7. ALL CIRCUITS SHALL BE SUPERVISED AGAINST OPENS, SHORTS AND GROUNDS. REFERENCE NEC/C.C.R.-T-24/PART 3-1991.
8. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
9. BACKUP BATTERIES SHALL SUPPLY 24 HOURS OF STANDBY AND 5 MINUTES OF ALARM.
10. MARK ALL WIRES IN ACCORDANCE WITH 760-4.
11. FIELD VERIFY AND REUSE UNDERGROUND CONDUIT BETWEEN BUILDINGS WHEN USABLE.
12. ALL OUTSIDE FIRE ALARM DEVICES SHALL BE WEATHERPROOF TYPE.
13. EXISTING FIRE ALARM SYSTEM SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE UNTIL THE NEW FIRE ALARM WILL BE ACCEPTED BY LOCAL FIRE AUTHORITIES AND MDUSD.
14. SIGNAL TONES PRODUCED BY FACP SHALL BE CAPABLE OF PRODUCING THE CALIFORNIA UNIFORM FIRE SIGNALS.
15. ALL HVAC FANS IN EXCESS OF 2,000 CFM SHALL SHUT-OFF UPON DETECTION OF SMOKE IN RETURN AIR DUCT AND ALL HVAC UNITS SHALL HAVE INSTALLED DUCT DETECTORS CONNECTED TO FACP (SUPPLY AND RETURN).

SHEET SCHEDULE

SHT. NO	DESCRIPTION
1	TITLE SHEET, VICINITY MAP, FIRE ALARM NOTES AND LEGEND
2	SITE PLANS
3	YVS/MHES RISER DIAGRAMS
4	OHS/MGS RISER DIAGRAMS
5	YVES FLOOR PLANS FOR ADMINISTRATION, BUILDING 'E', M.U., TOILET, & 11 THRU 15
6	YVES FLOOR PLANS FOR LIBRARY, K1, K2, & 1 THRU 10
7	YVES/MHES ZONE DESIGNATIONS
8	MHES FLOOR PLANS FOR LIBRARY, T, & 1 THRU 7, 10 THRU 14, & 21 THRU 23
9	MHES FLOOR PLANS FOR M.U., 15 THRU 20, & 24 THRU 28
10	OHS FLOOR PLANS FOR SST, CST, LIBRARY, MU, 5, 6, 7, 11, & CLASSROOMS BUILDING
11	OHS FLOOR PLANS FOR 8 THRU 10, & 13 THRU 26
12	MGS FLOOR PLANS FOR 'A' WING, 'B' WING, & 'C' WING
13	MGS FLOOR PLANS FOR 'D' WING, & PORTABLES A-6, B-8 THRU B-10, C-7 & C-8
14	MGS FLOOR PLAN FOR M.U. & MGS SITE PLAN
15	YVES PANEL DRAWING
16	MHES PANEL DRAWING
17	OHS PANEL DRAWING
18	MGS PANEL DRAWING
19	YVES/MHES/OHS/MGS DETAILS

⚠1 DELETED 9/1/94. ALL STROBE DEVICES SHALL BE MOUNTED ON THE WALL AS SHOWN IN DETAIL ⚠2

⚠2 ADDED 9/1/94 DETAIL ADDED AS REQUIRED BY DSA.

APPROVED
Department of General Services
Division of the State Architect
SEP 30 1994
Office of Regulation Services
Appl. #60828
Ltrd By FLS. 04/SF

M2601 MDUSD

AUG 1 1994

SUBMITTAL # 4.1

No.	DATE	REVISION	APPROVED
A	12/94	SUBMITTAL / ADD DETAIL	KJT
B	4/1/94	REVISE LEGEND / ADD DETAIL	KJT

C.A. SABAH & CO.
5901 CHRISTIE AVENUE
SUITE 250
EMERYVILLE, CA
(510) 547-5750

MT. DIABLO UNIFIED SCHOOL DISTRICT
MEADOW HOMES SCHOOL
MONTE GARDENS SCHOOL
YGNACIO VALLEY SCHOOL
OLYMPIC HIGH SCHOOL
CONTRA COSTA COUNTY, CALIFORNIA
FIRE ALARM SYSTEM

ORS APPL 60828
ORS FILE 7-29/15
B.P. 962

2960D,2961D
2962D,2963D
Job No.

Drawing No. COVER

YVES,MHES,OHS,MGS

DATE: 7.20.94
DRAWN BY: k. COOLING
DESIGNED BY:
CHECKED BY:
SCALE: AS SHOWN
REVISION NO.
Sheet 1 of 19

CAD FILE NAME: 2962-00.DWG

YGNACIO VALLEY ELEMENTARY SCHOOL

CABLE LEGEND
A = 2 #12
B = 2#14
C = 1 ATLAS 218-14-1-1STP } EXAMPLE 2A = 9#12 / 3B = 6#14 ⚠1

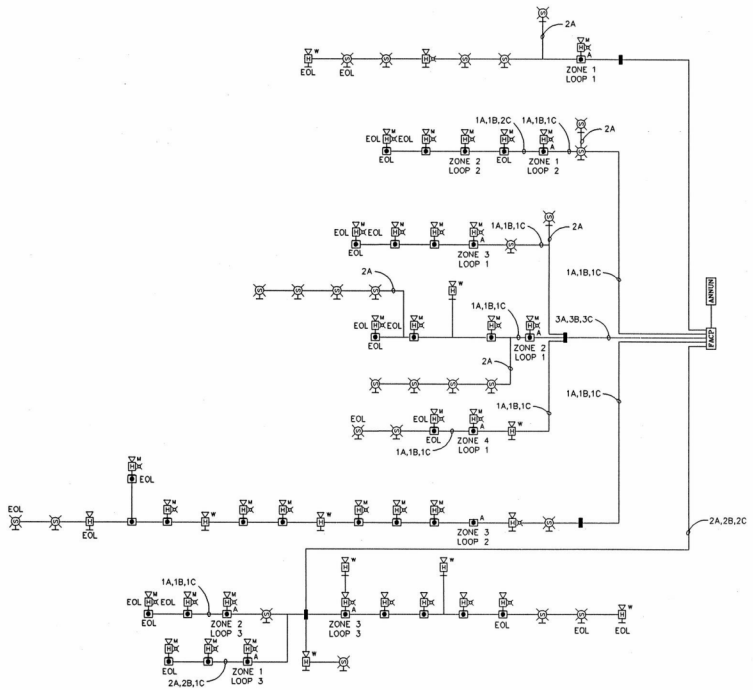
ZONE SCHEDULE LOOP 1
ZONE 1 MANUAL STATIONS ADMINISTRATION BUILDINGS
ZONE 2 MANUAL STATIONS CLASSROOMS K-1, 1, 2, 3/SDC
ZONE 3 MANUAL STATIONS 4, 5, 6, 6A
ZONE 4 MANUAL STATIONS K-2

ZONE SCHEDULE LOOP 2
ZONE 1 MANUAL STATIONS CLASSROOMS 13, 14, 15
ZONE 2 MANUAL STATIONS CLASSROOMS 11, 11A, 12
ZONE 3 MANUAL STATIONS MULTI-USE ROOM

ZONE SCHEDULE LOOP 3
ZONE 1 MANUAL STATIONS CLASSROOMS 13, 14, 15
ZONE 2 MANUAL STATIONS CLASSROOMS 11, 11A, 12
ZONE 3 MANUAL STATIONS MULTI-USE ROOM

SIGNAL CIRCUITS

SIGNAL CIRCUIT NO.	DESCRIPTION	
SC-1	ADMINISTRATION BUILDING	HORNS
SC-2	CLASSROOMS K-2	HORNS
SC-3	CLASSROOMS K-1, 1, 2, 3/SDC	HORNS
SC-4	CLASSROOMS 4, 5, 6, 6A	HORNS
SC-5	CLASSROOMS 7, 8, 9, 10, LIBRARY	HORNS
SC-6	CLASSROOMS 11, 11A, 12, 13, 14, 15	HORNS
SC-7	CLASSROOM BUILDING "E"	HORNS
SC-8	MULTI-USE ROOM, FIELD RESTROOM	HORNS
SC-9	ADMINISTRATION BUILDING	STROBES
SC-10	CLASSROOMS K-2	STROBES
SC-11	CLASSROOMS K-1, 1, 2, 3/SDC	STROBES
SC-12	CLASSROOMS 4, 5, 6, 6A	STROBES
SC-13	CLASSROOMS 7, 8, 9, 10, LIBRARY	STROBES
SC-14	CLASSROOMS 11, 11A, 12, 13, 14, 15	STROBES
SC-15	CLASSROOM BUILDING "E"	STROBES
SC-16	MULTI-USE ROOM, FIELD RESTROOM	STROBES



RISER DIAGRAM – YGNAICIO VALLEY SCHOOL

MEADOW HOMES ELEMENTARY SCHOOL

CABLE LEGEND
A = 2 #12
B = 2#14
C = 1 ATLAS 218-14-1-1STP } EXAMPLE 2A = 9#12 / 3B = 6#14 ⚠1

ZONE SCHEDULE LOOP 1
ZONE 1 MANUAL STATIONS ADMINISTRATION LIBRARY
ZONE 2 MANUAL STATIONS CLASSROOMS 5, 6, 7
ZONE 3 MANUAL STATIONS 1, 2, 3, 4

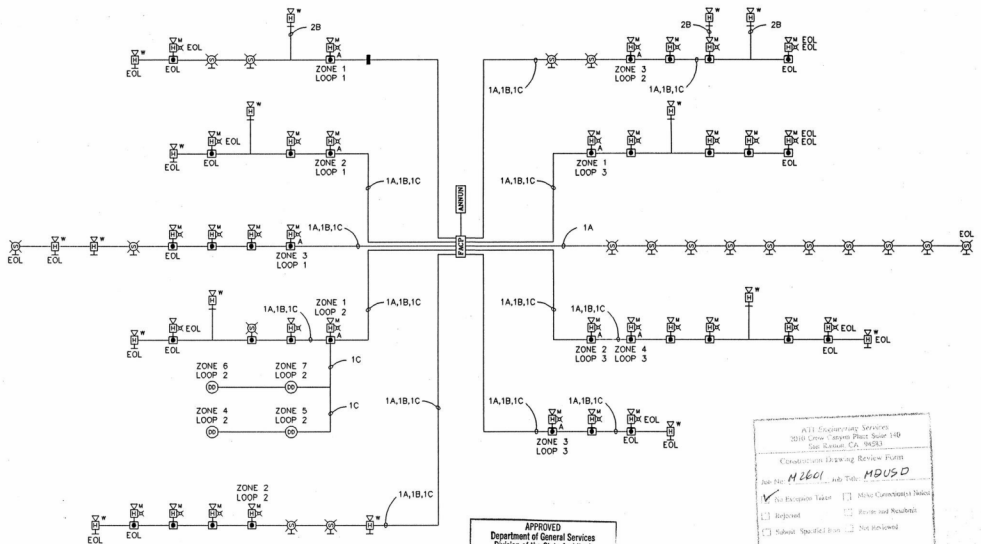
ZONE SCHEDULE LOOP 2
ZONE 1 MANUAL STATIONS MULTI-USE ROOM
ZONE 2 MANUAL STATIONS CLASSROOMS T, 10, 11, 12
ZONE 3 MANUAL STATIONS 8, 9, 13, 14
ZONE 4 DUCT DETECTOR MULTI -USE BUILDING AHU SOUTH
ZONE 5 DUCT DETECTOR MULTI -USE BUILDING AHU SOUTH
ZONE 6 DUCT DETECTOR MULTI -USE BUILDING AHU NORTH
ZONE 7 DUCT DETECTOR MULTI -USE BUILDING AHU NORTH

ZONE SCHEDULE LOOP 3
ZONE 1 MANUAL STATIONS CLASSROOMS 15, 16, 17, 18, 19
ZONE 2 MANUAL STATIONS CLASSROOM 20
ZONE 3 MANUAL STATIONS CLASSROOMS 21, 22, 23
ZONE 4 MANUAL STATIONS CLASSROOMS 24, 25, 26, 27, 28

SIGNAL CIRCUITS

SIGNAL CIRCUIT NO.	DESCRIPTION	
SC-1	ADMINISTRATION / LIBRARY	HORNS
SC-2	CLASSROOMS 1, 2, 3, 4	HORNS
SC-3	CLASSROOMS 5, 6, 7	HORNS
SC-4	CLASSROOMS T, 10, 11, 12	HORNS
SC-5	CLASSROOMS 8, 9, 13, 14	HORNS
SC-6	MULTI-USE ROOM	HORNS
SC-7	CLASSROOMS 21, 22, 23	HORNS
SC-8	CLASSROOMS 20, 24, 25, 26, 27, 28	HORNS
SC-9	CLASSROOMS 15, 16, 17, 18, 19	HORNS
SC-11	ADMINISTRATION / LIBRARY	STROBES
SC-12	CLASSROOMS 1, 2, 3, 4	STROBES
SC-13	CLASSROOMS 5, 6, 7	STROBES
SC-14	CLASSROOMS T, 10, 11, 12	STROBES
SC-15	CLASSROOMS 8, 9, 13, 14	STROBES
SC-16	MULTI-USE ROOM	STROBES
SC-17	CLASSROOMS 21, 22, 23	STROBES
SC-18	CLASSROOMS 20, 24, 25, 26, 27, 28	STROBES
SC-19	CLASSROOMS 15, 16, 17, 18, 19	STROBES
SC-20	RESTORES 15, 16, 17, 18, 19	STROBES

⚠1 ADD CLARIFICATION



APPROVED
Department of General Services
Division of the State Architect
SEP 30 1994
Office of Regulation Services
Appl. # 60828
Checked By FLS. OL/SF

A/E Supervising Services
2010 Crow Canyon Place Suite 140
San Ramon, CA. 94583
Construction Drawing Review Form
Job No. M2601 Job Title MDUSD
✓ No Exception Taken ☐ Make Corrections Noted
☐ Rejected ☐ Revise and Resubmit
☐ Submit Specified Item ☐ Not Reviewed
Checking is only for general conformance with the design concept of the project and general compliance with the applicable requirements of the California Administrative Code, Title 24. Responsibility for the accuracy and completeness of the plans and specifications and for construction means, methods, techniques, sequences and procedures which shall be employed by the contractor in performing the work contracted for, and for safety precautions and programs incident thereto, rests with the contractor and his sub-contractors and not with the Architect or his consultants. Review and approval of shop drawings does not relieve the contractor of his responsibility for performance of the work as set forth in the contract documents.
AUG 1 1994

REGISTERED PROFESSIONAL ENGINEER
JOHN L. BURNS
No. 7196
Exp. 9/30/96
ELECTRICAL ENGINEER
STATE OF CALIFORNIA

RISER DIAGRAM – MEADOW HOMES ELEMENTARY SCHOOL

NO.	DATE	REVISION	APPROVED
A	7/5/94	SEPARATION	KJT
B	9/1/94	ADD WIRE COUNT CLARIFICATION	KJT

C.A. SABAH & CO.
6601 OWENS DRIVE
SUITE 250
PLEASANTON, CA
(510) 734-5750

MT. DIABLO UNIFIED SCHOOL DISTRICT
MEADOW HOMES SCHOOL
MONTE GARDENS SCHOOL
YGNACIO VALLEY SCHOOL
OLYMPIC HIGH SCHOOL
CONTRA COSTA COUNTY, CALIFORNIA
FIRE ALARM SYSTEM

ORS APPL 60828
ORS FILE 7-21/45

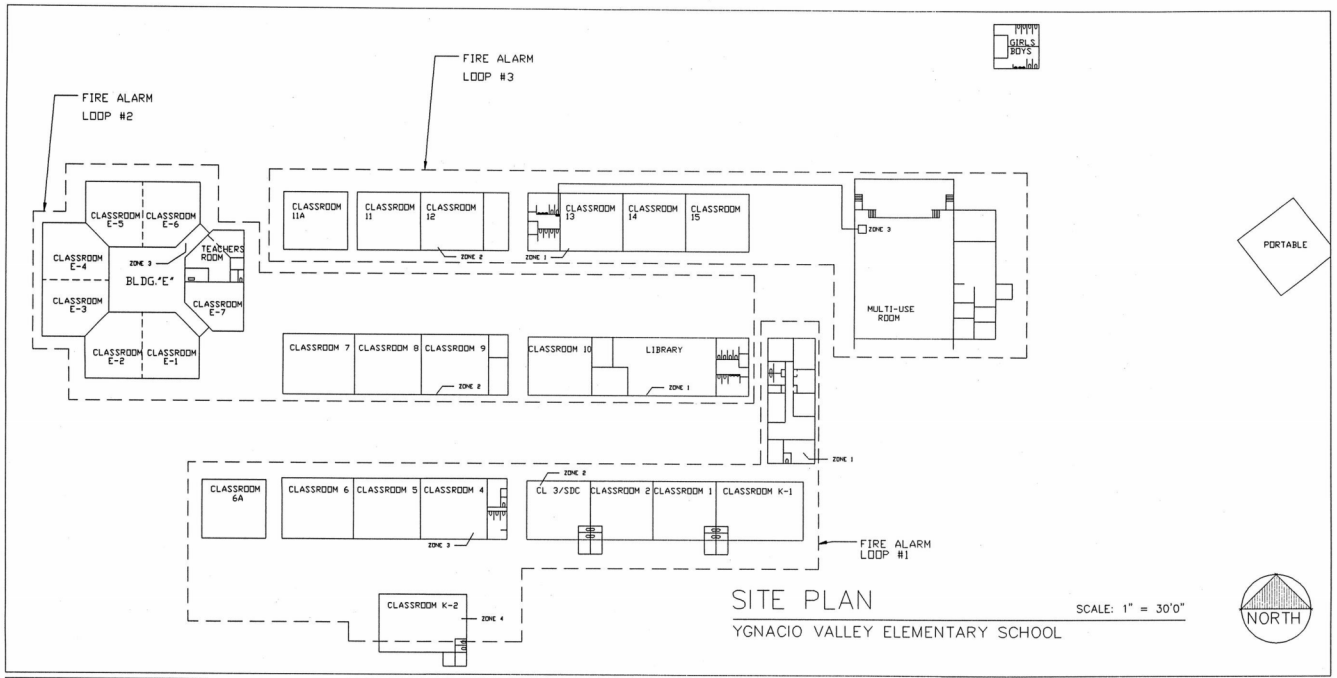
2960D,2961D
2962D,2963D
Job No.

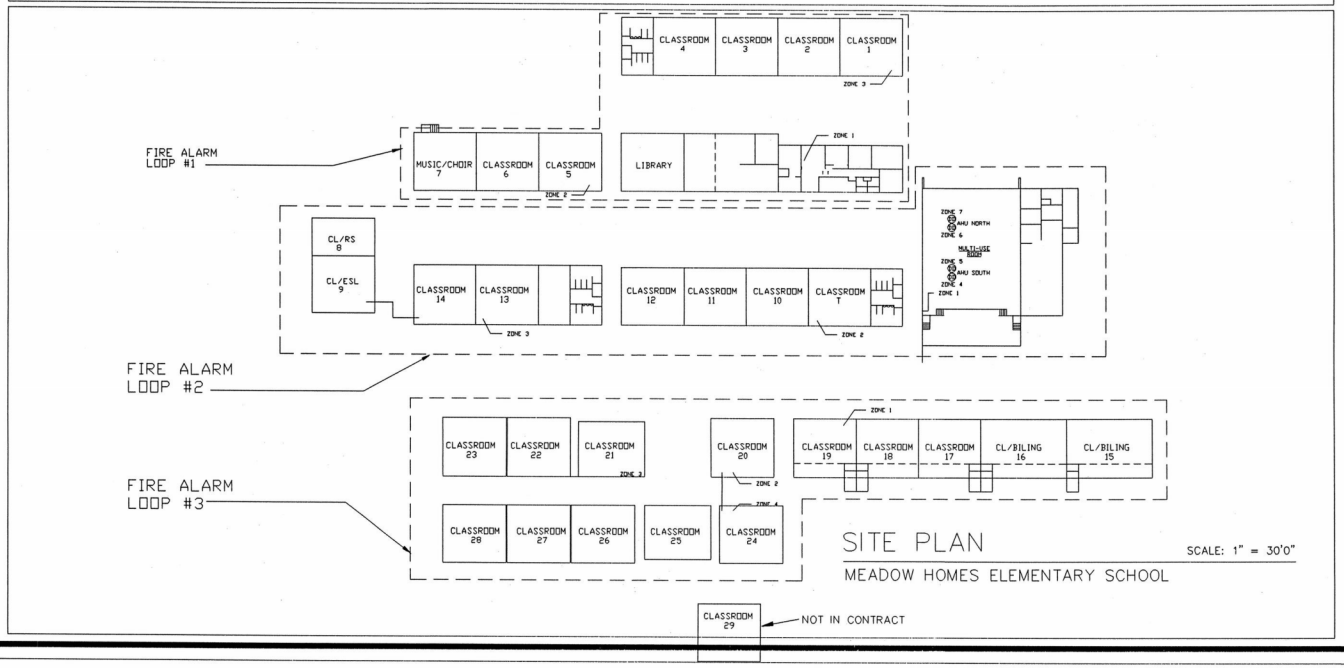
Drawing No. RSR-1

YVS/MHS

DATE: 7.20.94
DRAWN BY: R. COOLING
DESIGNED BY:
CHECKED BY: K.T. Thomas 8/1
SCALE: NONE
REVISION NO.
Sheet 3 of 19

CAD FILE NAME: 2962-OLDWG





CAD FILE NAME: 2962-07.DWG

APPROVED KT

No.	DATE	REVISION
A	11/8/94	Submittal

C.A. SABAH & CO.
660 LAWRENS DRIVE
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PLEASANTON, CA
(510) 734-5750

MT. DIABLO UNIFIED SCHOOL DISTRICT

MEADOW HOMES SCHOOL
MONTE GARDENS SCHOOL
YGNACIO VALLEY SCHOOL
OLYMPIC HIGH SCHOOL
CONTRA COSTA COUNTY, CALIFORNIA

ORS APL 60828
ORS FILE 7-27/45

FIRE ALARM SYSTEM

LOREN I. BURNS
No. 7196
Exp. 9/30/95
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING
STATE OF CALIFORNIA

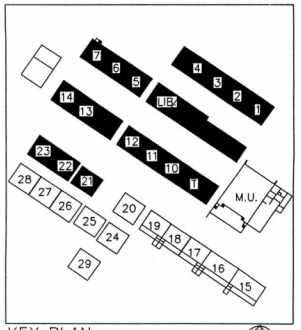
APPROVED
Department of General Services
Division of the State Architect
SEP 20 1994
Office of Regulation Services
Appl. # 60828
Checked By FLS. OL/CF

Job No.	2960D,2961D 2962D,2963D
Drawing No.	FP-3
	YVS,MHES
	DATE: 7.21.94
DRAWN BY:	R. COOLING
DESIGNED BY:	
CHECKED BY:	K.T. Thomas
SCALE:	AS SHOWN
REVISION NO.	
Sheet	7 of 11

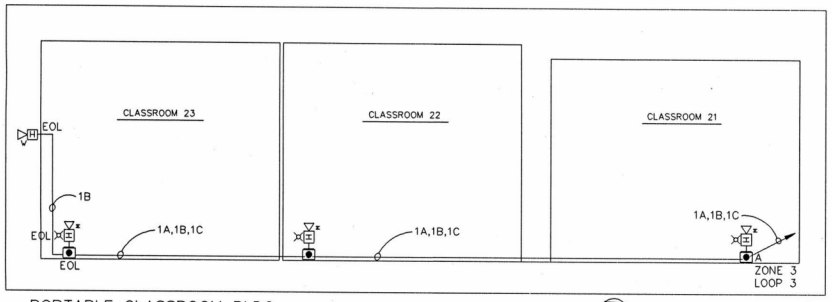
Job No. M2601 MDUSD

AUG 1 1994

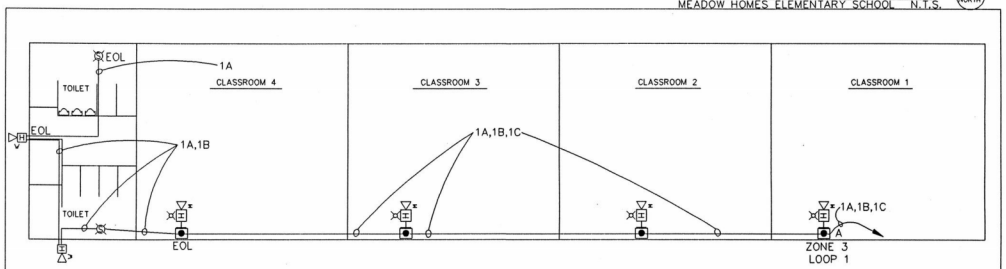
MEADOW HOMES ELEMENTARY SCHOOL



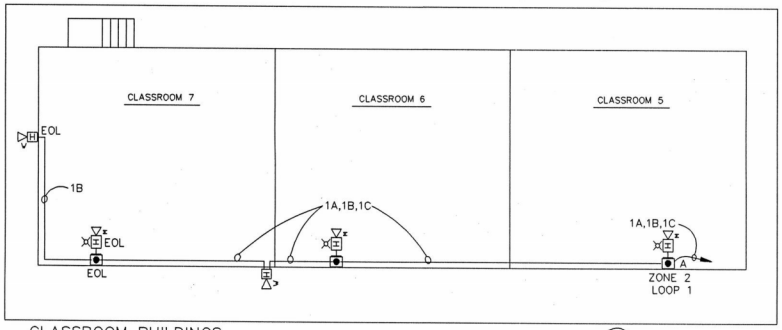
KEY PLAN
MEADOW HOMES ELEMENTARY SCHOOL N.T.S.



PORTABLE CLASSROOM BLDG. F.A. SIGNAL CIRCUITS SC-7 / SC-17 1/8"=1'0"

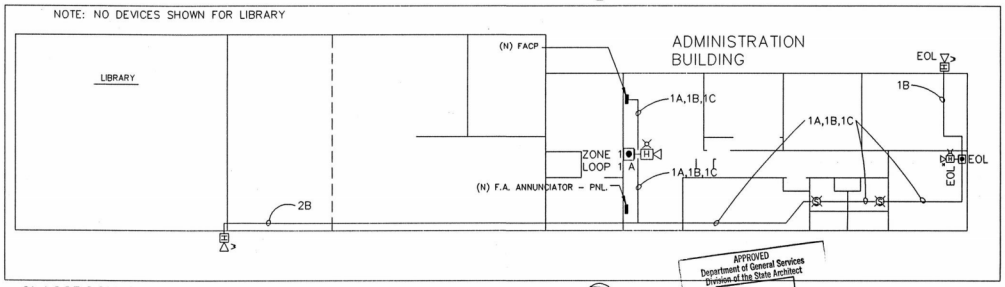


CLASSROOM BUILDINGS F.A. SIGNAL CIRCUITS SC-2 / SC-12 1/8"=1'0"



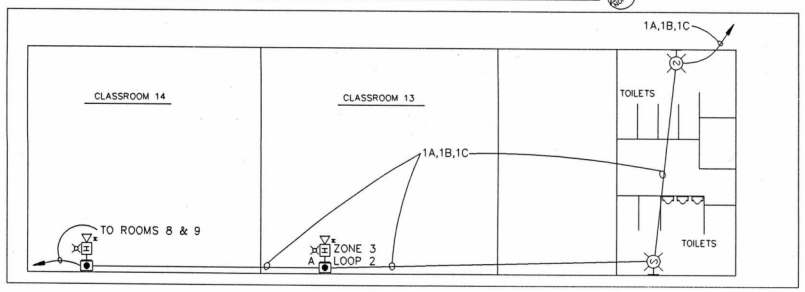
CLASSROOM BUILDINGS F.A. SIGNAL CIRCUITS SC-3 / SC-13 1/8"=1'0"

NOTE: NO DEVICES SHOWN FOR LIBRARY

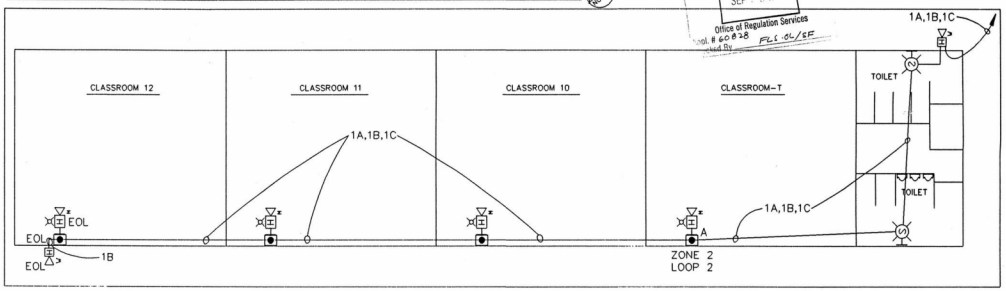


CLASSROOM BUILDINGS F.A. SIGNAL CIRCUITS SC-1 / SC-11 1/8"=1'0"

APPROVED
Department of General Services
Division of the State Architect
SEP 20 1994
Office of Regulation Services
File # 60-828



CLASSROOM BUILDINGS F.A. SIGNAL CIRCUITS SC-5 / SC-15 1/8"=1'0"



CLASSROOM BUILDINGS F.A. SIGNAL CIRCUITS SC-4 / SC-14 1/8"=1'0"

No.	DATE	REVISION	APPROVED
1	8/1/94	SUBMITTAL	KJT

C.A. SABAH & CO.
6601 OWENS DRIVE
SUITE 250
PLEASANTON, CA
(510) 734-5750

MT. DIABLO UNIFIED SCHOOL DISTRICT
MEADOW HOMES SCHOOL
MONTE GARDENS SCHOOL
OLYMPIC HIGH SCHOOL
CONTRA COSTA COUNTY, CALIFORNIA
FIRE ALARM SYSTEM

ORS APPL 10828
ORS FILE 7-29/45

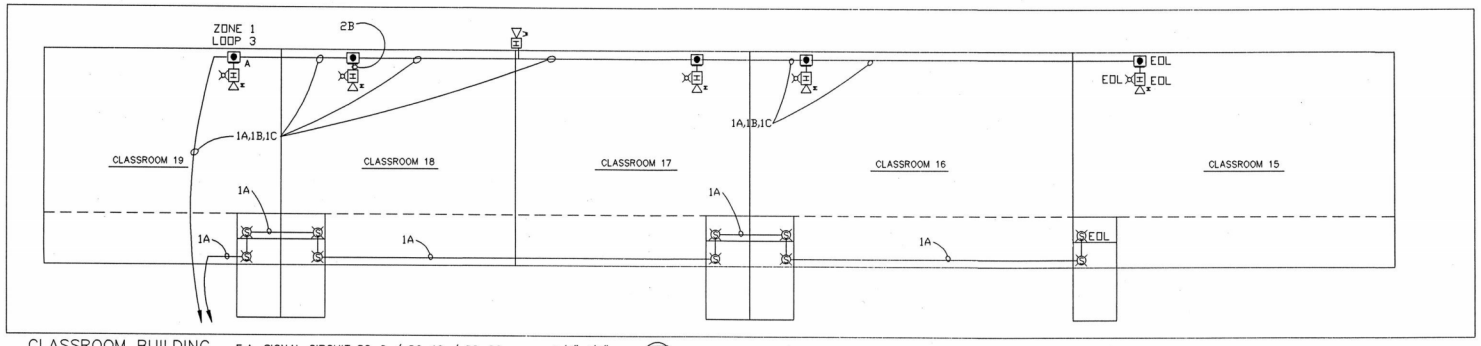
2960D,2961D
2962D,2963D
Job No.

Drawing No. FP-4

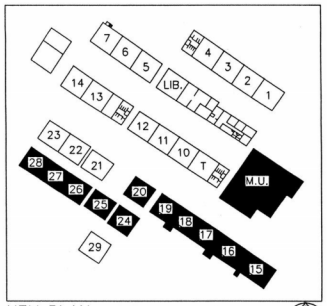
MHES

DATE: 7.21.94
DRAWN BY: R. COOLING
DESIGNED BY:
CHECKED BY: KJTHammes
SCALE: AS SHOWN
REVISION NO.
Sheet 8 of 19

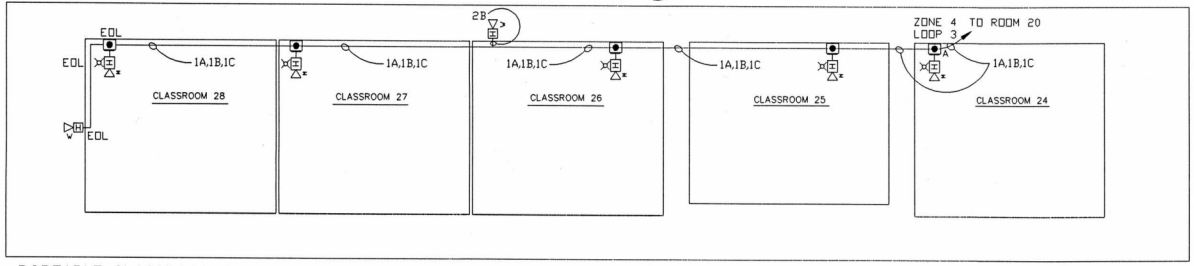
CAD FILE NAME: 2962-DSLDWG



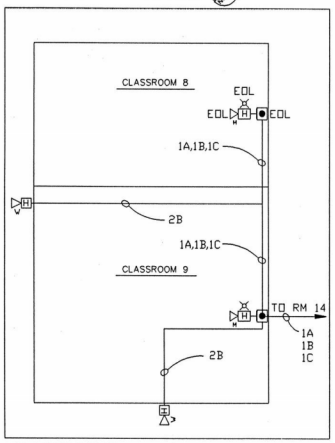
CLASSROOM BUILDING F.A. SIGNAL CIRCUIT SC-9 / SC-19 / SC-20 1/8"=1'0"



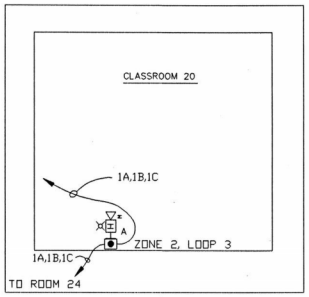
KEY PLAN
MEADOW HOMES ELEMENTARY SCHOOL N.T.S.



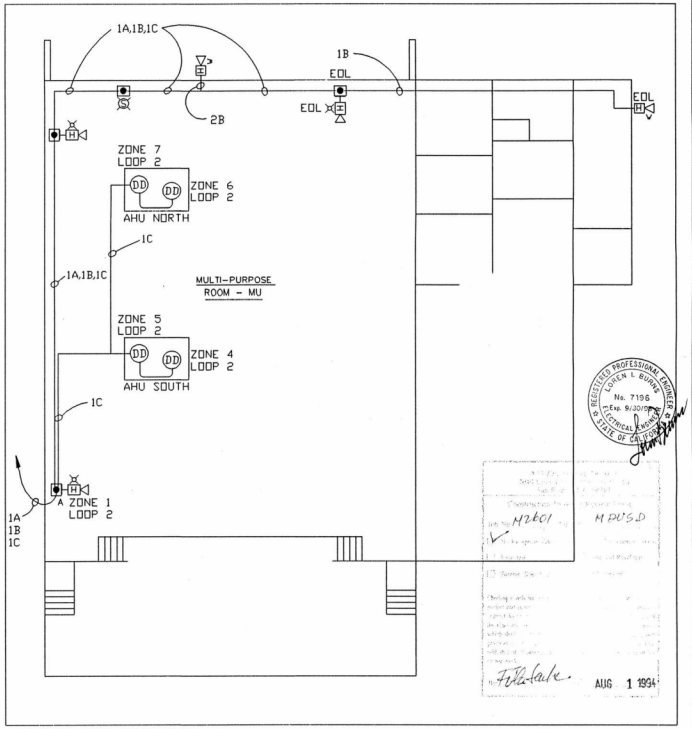
PORTABLE CLASSROOM BLDGS. F.A. SIGNAL CIRCUIT SC-8 / SC-18 1/10"=1'0"



CLASSROOMS
F.A. SIGNAL CIRCUIT SC-5 / SC-15



PORTABLE CLASSROOM #20 1/8"=1'0"
F.A. SIGNAL CIRCUIT SC-8 / SC-18



MULTI-USE BUILDING F.A. SIGNAL CIRCUIT SC-6 / SC-16 1/8"=1'0"

APPROVED
Department of General Services
Division of the State Architect
SEP 0 1994
Office of Regulation Services
Appl. # 60 6828
Checked By FLS-OL/LF

MEADOW HOMES ELEMENTARY SCHOOL

CAD FILE NAME: 2962-09.DWG

No.	DATE	REVISION
A	11/94	ADDENDUM #1

APPROVED KJT

C.A. SABAH & CO.
6601 OWENS DRIVE
SUITE 250
PLEASANTON, CA
(510) 734-5750

MT. DIABLO UNIFIED SCHOOL DISTRICT
MEADOW HOMES SCHOOL
MONTE GARDENS SCHOOL
YGNACIO VALLEY SCHOOL
OLYMPIC HIGH SCHOOL
CONTRA COSTA COUNTY, CALIFORNIA
FIRE ALARM SYSTEM

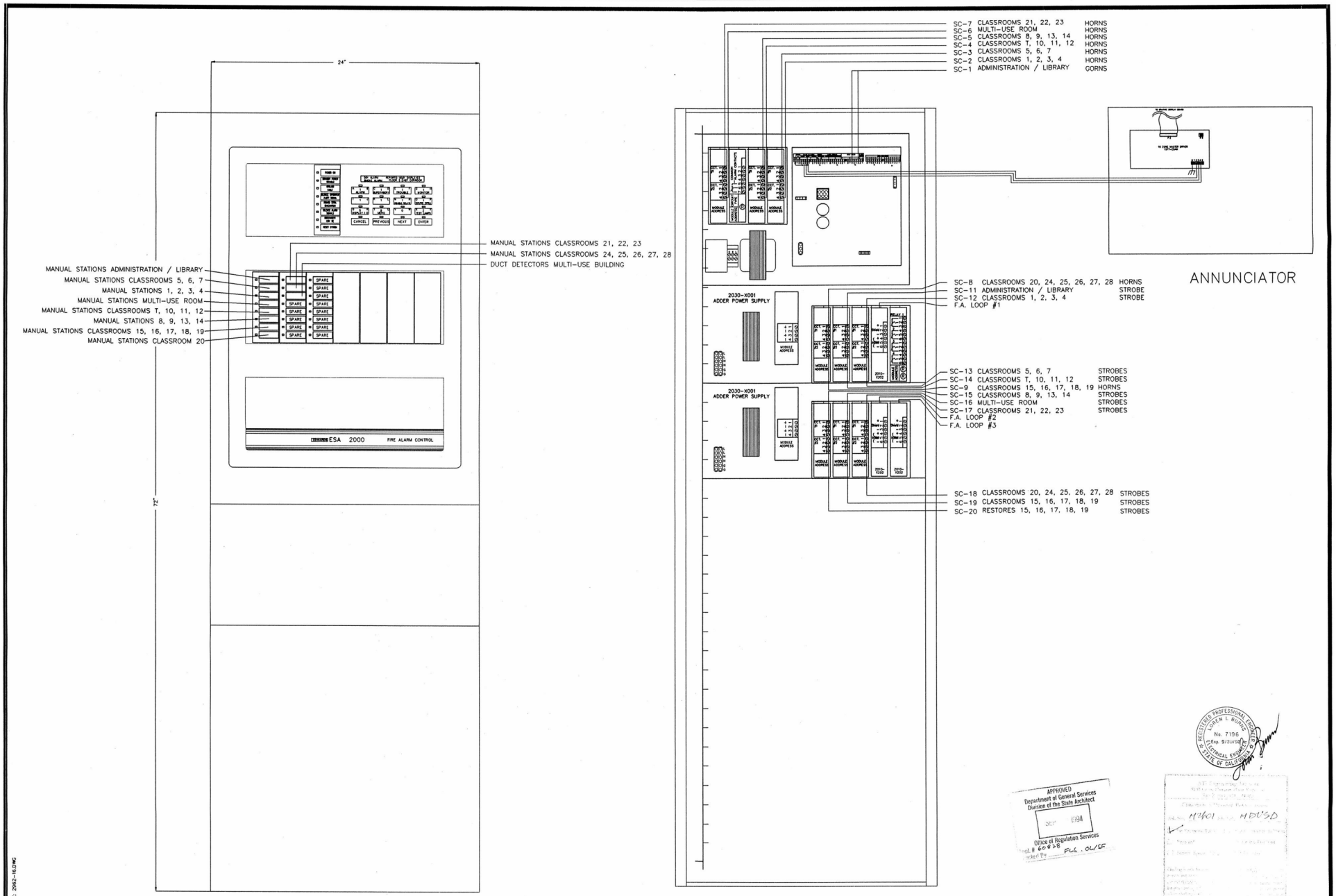
DAS APPL 60828
DAS FILE Z-29/HS

2960D,2961D
2962D,2963D
Job No.

Drawing No. FP-5

MHES

DATE: 7.21.94
DRAWN BY: R. COOLING
DESIGNED BY:
CHECKED BY: KJ Trimmer
SCALE: AS SHOWN
REVISION NO.
Sheet 9 of



MEADOW HOMES ELEMENTARY SCHOOL

APPROVED
Department of General Services
Division of the State Architect
SEP 1994
Office of Regulation Services
Appl. # 60828 FLS. OL/SF

REGISTERED PROFESSIONAL ENGINEER
LOREN L. BURNS
No. 7196
Exp. 9/30/95
ELECTRICAL ENGINEER
STATE OF CALIFORNIA

M2601 MDUSD

AUG 1 1994

No.	DATE	REVISION
A	7/15/94	SUBMITTAL

APPROVED DKT

C.A. SABAH & CO.
6601 OWENS DRIVE
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PLEASANTON, CA
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MT. DIABLO UNIFIED SCHOOL DISTRICT
MEADOW HOMES SCHOOL
MONTE GARDENS SCHOOL
YGNACIO VALLEY SCHOOL
OLYMPIC HIGH SCHOOL
CONTRA COSTA COUNTY, CALIFORNIA
FIRE ALARM SYSTEM

DKS APL 60828
DKS FILE 7-29/HS

29600,2961D
2962D,2963D
Job No.

Drawing No. PNL-2

MHS

DATE: 7.22.94
DRAWN BY: R. COOLING
DESIGNED BY:
CHECKED BY: KT Thommes
SCALE: NONE
REVISION NO.
Sheet 16 of 19

CAD FILE NAME: 2962-16.DWG

MT. DIABLO UNIFIED SCHOOL DISTRICT

CONCORD, CA

REPAIR BY REPLACEMENT PROJECTS:
FIRE ALARM, COMMUNICATION AND CLOCK SYSTEMS

DEFERRED APPROVAL ITEM. FIRE ALARM SYSTEMS SEE SHEET 9

FILE 7-29/HS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 60322
AC 1/2 FLS 2 DWGS 10M
DATE MAY 13 1994 (SE)

LICENSED ARCHITECT
MARK S. BELL
C-20677
EXP. 3/31/95
STATE OF CALIFORNIA

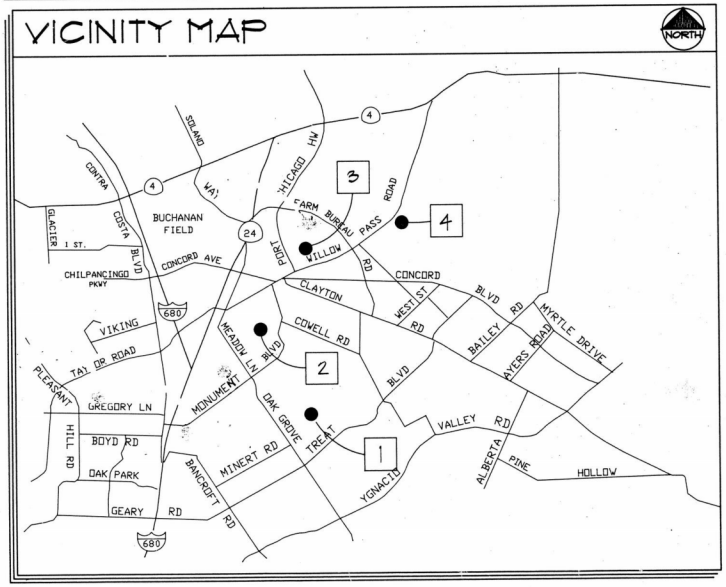
REGISTERED PROFESSIONAL ENGINEER
LINDA T. BURR
No. 7196
RE/CIVIL
STATE OF CALIFORNIA

BID # 962

1. **YGNAICIO VALLEY ELEMENTARY SCHOOL**
   2217 CHALOMAR RD. CONCORD, CA. 94518
2. **MEADOW HOMES ELEMENTARY SCHOOL**
   1371 DETROIT AVE. CONCORD, CA. 94520
3. **OLYMPIC HIGH SCHOOL**
   2730 SALVIO STREET, CONCORD, CA. 94519
4. **MONTE GARDENS**
   3844 LARKSPUR DRIVE, CONCORD, CA. 94519

(510) 682-8000

VICINITY MAP



ABBREVIATIONS

(A)	AF	AMP FUSE
	AFF.	ABOVE FINISHED FLOOR
	AFG.	ABOVE FINISHED GRADE
	AMPS	AMPERES
	AS	AMP SWITCH
(B)	BKBD	BACKBOARD
(C)	CKT or TC	CIRCUIT
	CLF	CURRENT LIMITING FUSE
	CO	CONDUIT ONLY
	CU	COPPER
(D)	DED	DEDICATED
(E)	(E)	EXISTING
	EMT	ELECTRICAL METALLIC TUBING
	ES	ELECTRICAL SECTION OF THIS
(F)	FA	FIRE ALARM
	FACP	FIRE ALARM CONTROL PANEL
	FRN	FUBETRON - 250 VOLT - CLF
(G)	GFI	GROUND FAULT INTERRUPTER
	G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPTER
(H)	HEW	HOT WATER HEATER
	H.P.	HORSE POWER
(I)		
(J)	JB	JUNCTION BOX
(K)	KW	KILOWATT
(L)	LB. OR #	POUND OR NUMBER
	LEV./LVL.	LEVEL
	LT.	LIGHT
	LTWT.	LIGHTWEIGHT
(M)	MAX.	MAXIMUM
	MCB	MAIN CIRCUIT BREAKER
	MDUSD	MT. DIABLO UNIFIED SCHOOL DISTRICT
	MFR. OR MANFR.	MANUFACTURER
	MIN.	MINIMUM
	MLO	MAIN LUG ONLY
	MTG. HT.	MOUNTING HEIGHT
	MTTC	MAIN TELEPHONE TERMINAL CABINET
	MS	MECHANICAL SECTION OF THIS CONTRACT
(N)	(N)	NEW
	NEC/C.C.R.-T-24/PART 3-1991	NATIONAL ELECTRICAL CODE 1990 W/ THE CALIF. CODE OF REGULATIONS, AMENDMENTS PART 3-1991 EDITION WITH LATEST AMENDMENTS.
	N.I.C.	NOT IN CONTRACT
	NL	NIGHT LIGHT
	N.T.S.	NOT TO SCALE
(O)	OH	OVERHEAD
(P)	PB	PULL BOX
	PH	PHASE
	PNL	PANEL
(R)	RSC	RIGID STEEL CONDUIT
(S)	S/N	SOLID / NEUTRAL
	ST	SIGNAL TERMINAL CABINET
	SW	SWITCH
(T)	TEL	TELEPHONE
	TB	TERMINAL BOX
	T.S.	TIME SWITCH/PHOTO CELL
(U)	UBC/C.C.R.-T-24/PART 3-1991	UNIFORM FIRE CODE W/ THE CALIFORNIA CODE OF REGULATIONS, AMENDMENTS PART 2-1991 EDITION W/LATEST AMENDMENTS. UNIFORM BUILDING CODE W/ THE CALIFORNIA CODE OF REGULATIONS, AMENDMENTS PART 3-1991 EDITION W/LATEST AMENDMENTS.
	UFC/C.C.R.-T-24/PART 3-1991	
	U.N.O.	UNLESS NOTED OTHERWISE
	UG	UNDERGROUND
	UTL./UTIL.	UTILITY
(V)	V	VOLTS/VOLTAGE
(W)	W	WATTS - WIRE
	WP	WEATHERPROOF

SHEET SCHEDULE

SHT. NO	DESCRIPTION	
1	TITLE SHEET	MT. DIABLO UNIFIED SCHOOL DISTRICT
1A	ALL SCHOOL SITES W/ OSA APPLICATION NUMBERS	
2	NOTES / DETAILS/MT. DIABLO UNIFIED SCHOOL DISTRICT	
3	NOTES / MT DIABLO UNIFIED SCHOOL DISTRICT	
4	BUILDINGS/YGNACIO VALLEY SCHOOL	YGNACIO VALLEY ELEM-SCHOOL
5	BUILDINGS/YGNACIO VALLEY SCHOOL	
6	SITE PLAN/ YGNACIO VALLEY ELEM. SITE PLAN/ MEADOW HOMES ELEM.	
7	BUILDINGS/MEADOW HOMES ELEM. SCHOOL	MEADOW HOMES ELEM.
8	BUILDINGS/MEADOW HOMES ELEM. SCHOOL	
9	BUILDINGS & SITE PLAN/ OLYMPIC HIGH SCHOOL	OLYMPIC HIGH SCHOOL
10	BUILDINGS/ OLYMPIC HIGH SCHOOL	
11	BUILDINGS/ MONTE GARDENS	MONTE GARDENS
12	BUILDINGS/MONTE GARDENS	
13	BUILDINGS & SITE PLAN/MONTE GARDENS	

REVISIONS	BY

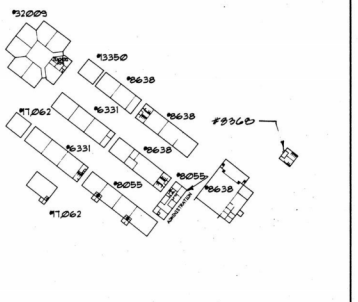
ATI ENGINEERING SERVICES, INC.
2010 Crow Canyon Place, Suite 140
San Ramon, California 94583
(510) 866-7100
Setting the Standard in Quality, Service and Innovation

TITLE SHEET

MOUNT DIABLO UNIFIED SCHOOL DISTRICT

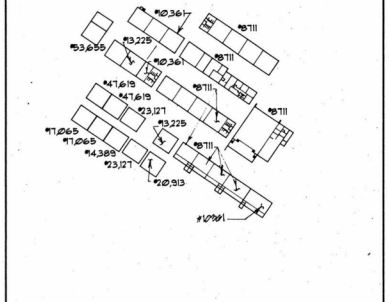
CONTRA COSTA COUNTY CALIFORNIA

DATE:
CAD FILE: M2601-01DWG
DRWN. BY: MSB, DM
CHECKED BY: FV
JOB NO: M2601
SHEET NO: 1
SHT. OF



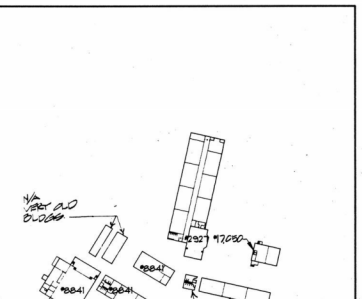
YGNACIO VALLEY ELEM.
SITE PLAN

WITH EXISTING O.S.A. NUMBERS SCALE: 1"= 100'0"



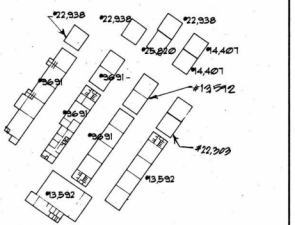
MEADOW HOMES ELEM.
SITE PLAN

WITH EXISTING O.S.A. NUMBERS SCALE: 1"= 100'0"



OLYMPIC HIGH SCHOOL
SITE PLAN

WITH EXISTING O.S.A. NUMBERS SCALE: 1"= 100'0"



MONTE GARDENS BLDG.
SITE PLAN

WITH EXISTING O.S.A. NUMBERS SCALE: 1"= 100'0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 6 03 2 5
AC FLS SS
DATE MAY 1 3 1994

LICENSED ARCHITECT
MARK S. BELL
C-20677
EXP. 3/31/95
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
No. 7196
ELECTRICAL
STATE OF CALIFORNIA

SITE PLAN NOTES:

SHOW MAKE, MODEL AND LOCATION OF THE EXISTING FIRE ALARM CONTROL PANEL. (563)

REVISIONS	BY

ATI ENGINEERING SERVICES, INC.
2010 Crow Canyon Place, Suite 140
San Ramon, California 94583
(510) 866-7100
Setting the Standard in Quality, Service and Innovation

MOUNT DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY CALIFORNIA

DATE:
CAD FILE: M2601ADWG
DRAWN BY: MSB, DM
CHECKED BY: FV
JOB NO: M2601
SHEET NO: 1A
SHT. OF

SYSTEM TYPE: FIRE ALARM SYSTEM

CATALOG SHEET #	MODEL #	DESCRIPTION	CSFM
85004-0021	ESA2000	F.A.C.P. CONSISTING OF:	
4 OF 18	2025-X000	BASE PANEL	7165-0073:143
4 OF 18	2025-X704	COMMON CONTROL	7165-0073:143
5 OF 18	2001-X001	INPUT MODULE	7165-0073:143
5 OF 18	2002-X001	OUTPUT MODULE	7165-0073:143
5 OF 18	2002-X401	AUXILIARY RELAY MODULE	7165-0073:143
6 OF 18	2010-X401	CITY TIE MODULE	7165-0073:143
9 OF 18	2015-X002	EXPANDER BIN	7165-0073:143
10 OF 18	2016-X001	ADDER DISPLAY MODULE	7165-0073:143
10 OF 18	2016-X002	SINGLE SPACE DISPLAY	7165-0073:143
10 OF 18	2030-X001	ADDER POWER SUPPLY	7165-0073:143
11 OF 18	2033-A015	15ahr. BATTERY PACK	7165-0073:143
11 OF 18	2035-X101	MOUNTING PLATE	7165-0073:143
13 OF 18	2065-A536	CABINETS	7165-0073:143
13 OF 18	2067-X136	INNER DOOR	7165-0073:143
13 OF 18	2066-A536	UPPER DOOR	7165-0073:143
13 OF 18	2068-A502	TRIM KIT (VERTICAL)	7165-0073:143
13 OF 18	2068-A510	TRIM KIT (HORIZONTAL) ANNUNCIATORS	7165-0073:143
143			
85006-0021	1577	GRAPHIC ANNUNCIATOR	7120-0073:164
85006-0021	1577-2418	WALLBOX	7120-0073:164
85004-0039	2010-x202	ANALOG LOOP CONTROLLER	7165-0073:143
85001-0475	EH-DL1-WM-24	STROBE / HORNS	7136-0785:112
270502	WMT-24-FR	STROBE	7300-0785:011
85001-0497	MIZ-24-WM-VF-R	MINI HORN / STROBE	7136-0786:118
85001-0339	B82-2B-001	HORN	7135-1388:124
85001-0277	6260A-100	DUCT SMOKE DETECTOR	7272-0073:126
85001-0277	6266a-200	PHOTO DUCT SMOKE SENSOR	7272-0073:126
85001-0277	6251A-100	SENSOR MOUNTING BASE	7272-0073:126
85001-0277	6251A-200	SENSOR MOUNTING BASE W/RELAY	7272-0073:126
85001-0277	6256A-200	FIRE ALARM LED TEST STATION	7272-0073:126
85001-0457	277B-1110	PULL STATION	7150-0073:143
85001-0469	6297B-200	CONTACT ZONE TRANSPONDER IF NECESSARY	7165-0073:143
85001-0449	6250B-100	IONIZATION SMOKE SENSOR	7271-0073:113
85001-0449	6251B-2000	RELAY MOUNTING BASE	7271-0073:113
85001-0449	6251A-100	MOUNTING BASE	7271-0073:113

COMMUNICATION AND CLOCK SYSTEMS *

PART NUMBER	DESCRIPTION	MANUFACTURER
MULTICOM 2000	Intercom Control Center	Bogen
MCDS-2	Administrative Phone	Bogen
MCTC	Telephone Access Card	Bogen
BLS	Input Module	Bogen
CPT-1D	AM/FM Cassette Player	Bogen
RPK-55D	Back Mount	Bogen
HLTA-125	Power Amplifier	Bogen
886T725PGBW	Speaker & Grill	Atlas/Soundoiler
VP161-APF	Speaker & Grill	Atlas/Soundoiler
SE161-R6	Speaker Back Box	Atlas/Soundoiler
APF-15T	Horn Speaker	Atlas/Soundoiler
MCWESS	Wall Phone	Bogen
MCESS	Desk Phone	Bogen
FMSS	FM Antenna	Ant-craft
2330BB-12	Room Clocks	Faraday (Standard)
MUPS1400	Batter Backup	Emerson

- NOTE: All equipment shall be factory assembled, tested, and must have number with approved stickers.

CABLE AND WIRE LIST *

COMMUNICATION, CLOCK & FIRE ALARM SYSTEMS

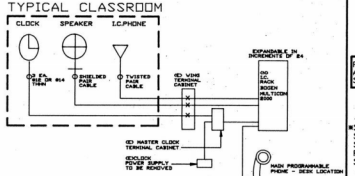
PART NUMBER	DESCRIPTION	MANUFACTURER
429	Cable	West Penn
253	Cable	West Penn
422	Cable	West Penn
254	Cable	West Penn
423	Cable	West Penn
255	Cable	West Penn
424	Cable	West Penn
256	Cable	West Penn
293	Cable	West Penn
	THHN Cable	ITT
806	Coaxial Cable	West Penn
359	Room Cable	West Penn
991	Cable	West Penn

NOTE:
- For cable and wire substitutions, see specifications.
- All cable and wire substitutions must be pre-approved by MDUSD and and electrical design engineer
- All cables and wires used for Fire Alarm System must be fire rated.
- * ELECTRICAL CONTRACTOR SHALL REUSE EXISTING CONDUCTORS FOR EACH SITE IF THEY ARE COMPATIBLE WITH NEW SYSTEMS

SPECIFICATION FOR 12 PAIR-T COMPUTER CABLES.

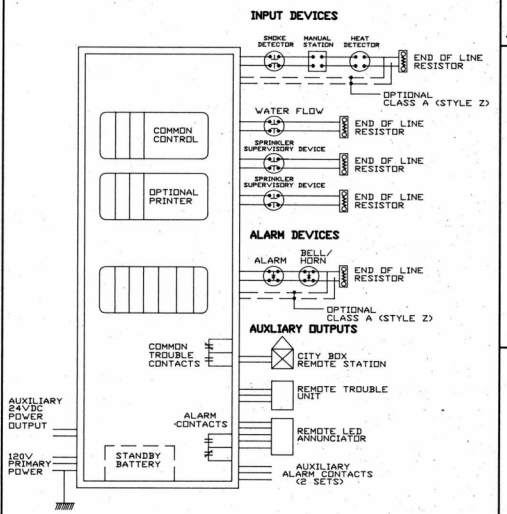
LEVEL 5 4PAIR SHIELDED TWISTED PAIR
INSULATION THICKNESS: 0.0025"
JACKET THICKNESS: PLENUM: 0.012"
COLOR CODING: EIA STANDARD
CONDUCTOR GAUGE: 24 AWG
MUTUAL CAPACITANCE: PLENUM: PF/FT.
DC RESISTANCE: 28.7 OHMS/100FT
IMPEDANCE: 100 +/- OHMS AT 100 MHz
ATTENUATION: 67.0D/100FT AT 100 MHz
ELECTRICAL CONTRACTOR SHALL PROVIDE LABELED WIRING DIAGRAM IN EACH T.C.

TYPICAL CLASSROOM



INTERCOM & CLOCK PARTIAL SINGLE LINE DIAGRAM

NOT TO SCALE



FIRE ALARM SINGLE LINE

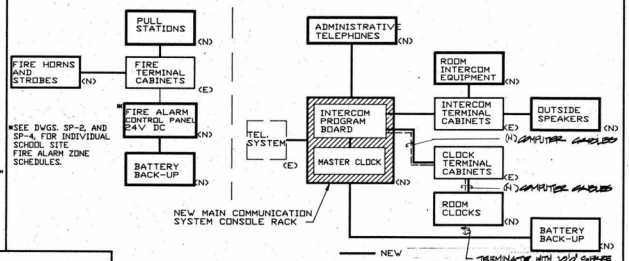
NTS

D.S.A. GENERAL NOTES: *

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA-ORS. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE AUTHORITY HAVING JURISDICTION. (566)
2. PROVIDE FIRE ALARM VISUAL DEVICES FOR THE FOLLOWING AREAS:
   — RESTROOMS
   — CORRIDORS
   — MULTI-PURPOSE ROOMS
   — LOBBIES
   — MEETING ROOMS
   — KITCHENS
   (565)
3. EVERY ALARM SIGNALING DEVICE INSTALLED SHALL BE OF THE SAME BASIC TYPE (BELLS, HORNS, CHIMES, SPEAKERS, ETC.) AS ALL OTHER SIGNALING DEVICES IN THE FACILITY. (EXCEPTION ANY SIGNALING DEVICES REQUIRED FOR THE DEAF OR HEARING IMPAIRED) (NFPA PAMPHLET 72). (568)
4. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF CALIFORNIA ELECTRICAL CODE. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA-ORS, UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE AUTHORITY HAVING JURISDICTION. (566)
5. WHEN INTERFACING NEW AND EXISTING FIRE ALARM CONTROL PANELS, A LETTER SHALL BE PROVIDED TO DSA-ORS FROM EACH MANUFACTURER'S TECHNICAL DIVISION STATING THAT THE PANELS, IN ALL ASPECTS INCLUDING ELECTRICAL SUPERVISION, MAY BE INTERFACED WITH EACH OTHER. SCHEMATIC DETAILS OF THE ELECTRICAL INTERFACE SHALL BE PROVIDED ON SHOP DRAWINGS. (570)
6. SHOW MAKE, MODEL AND LOCATION OF THE EXISTING FIRE ALARM CONTROL PANEL. (563) (EACH BUILDING)

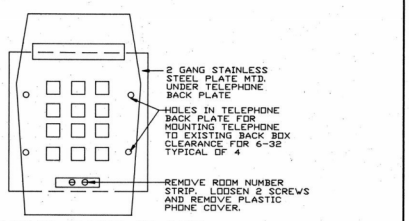
* FOR ALL PAGES

FIRE ALARM SYSTEM | COMMUNICATION SYSTEM



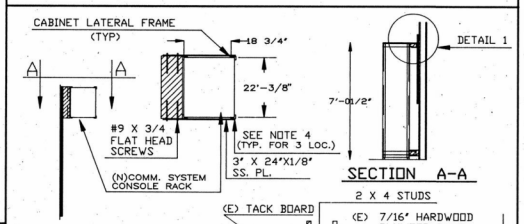
SYSTEMS BLOCK DIAGRAMS

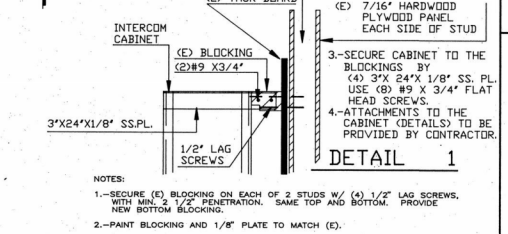
NTS



TELEPHONE BACK PLATE MOUNTING DETAIL

NTS





NOTES:
1.-SECURE (E) BLOCKING ON EACH OF 2 STUDS W/ (4) 1/2" LAG SCREWS, WITH MIN. 2 1/2" PENETRATION. SAME TOP AND BOTTOM. PROVIDE NEW BOTTOM BLOCKING.
2.-PAINT BLOCKING AND 1/8" PLATE TO MATCH (E).

DETAIL-SEISMIC BRACING OF EQUIP. RACK

NOT TO SCALE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL 6 0 3 2 2
AC ___ FLS ___ SS ___
DATE MAY 1 3 1994

LICENSED ARCHITECT FRANK S. DEL GADO No. C-20677 EXP. 3/31/96 STATE OF CALIFORNIA

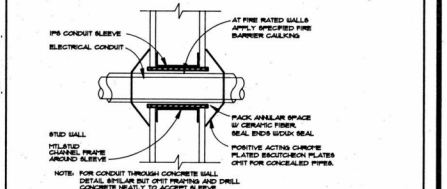
REGISTERED PROFESSIONAL ENGINEER JOHN L. BOSKO No. 21706 ELECTRICAL STATE OF CALIFORNIA

LEGEND

- (E) INTERCOM WALL PHONE, REMOVE AND REPLACE WITH (N) VANDAL-PROOF MOUNTED WALL PHONE. SEE TELEPHONE BACKPLATE MOUNTING DETAIL, THIS SHEET. INTERCOMS FIXED TO WALLS @ +48"AFF. MAX.
- (E) INTERCOM WALL OUTLET FOR DESK PHONE REMOVE (E) DESK PHONE AND REPLACE WITH (N) DESK PHONE. F FOR FLOOR OUTLETS.
- (E) SURFACE MOUNTED INTERCOM WALL SPEAKER, REMOVE AND REPLACE WITH NEW SURFACE MOUNTED SPEAKER.
- (E) FLUSH MOUNTED INTERCOM WALL SPEAKER, REMOVE AND REPLACE WITH THE NEW SPEAKER.
- (E) INTERCOM PUSHBUTTON. REMOVE AND REPLACE WITH (N) VANDAL-PROOF MOUNTED WALL PHONE SEE TELEPHONE BACKPLATE MOUNTING DETAIL, THIS SHEET
- REPLACE (E) CLOCK WITH NEW CLOCK TO BE COMPATIBLE WITH NEW CONSOLE
- (H) (S) (MH) (N) ALARM / STROBE AND/OR (H)HORN/STROBE WALL MTD. +90" OR 6" BELOW CLG.(A.D.A.), WHICHEVER IS LOWER. WITH (H) COMBINATION HORN-STROBE WITH (MH) COMBINATION MINI HORN-STROBE REMOVE EXISTING FROM CLOCK JUNCTION BOXES (STROBES IN ALL COMMON USE AREAS)
- (E) CLASSROOM BELL OR BUZZER TO BE REMOVED, REPLACE WITH BLANK PLATE
- (N) WEATHER-PROOF AND VANDAL-PROOF HORN-TYPE SPEAKER.
- WP (E) CLASSROOM BELL TO BE REMOVED, REPLACE WITH 15 WATT, U.O.N.
- INSTALL (N) FIRE ALARM HORN. MTD @ +90"U.O.N. @ AT LEAST 6" BELOW CEILING
- M INSTALL (N) FIRE ALARM MINI HORN. MTD. @ +90" U.O.N. BACK BOX
- WP INSTALL (N) WEATHERPROOF FIRE ALARM HORN. MTD. +90" U.O.N.
- H INSTALL NEW CEILING MOUNTED HEAT DETECTORS.
- DR F INSTALL NEW FIRE ALARM PULL STATION AT 48" O.C. MAX. PER 3-760-10.1 TITLE 24
- (R) REMOVE EXISTING, INSTALL BLANK STEEL PLATE, PRIME AND PAINT TO MATCH (E) WALLS.
- (E) F.A., PUBLIC ADDRESS AND CLOCK TERMINAL CABINET WITH DIVIDERS. REVISE CONNECTIONS IN TERMINAL CABINET FOR NEW FIRE ALARM AND COMMUNICATION SYSTEM INSTALLATION.

——— (E) CONDUIT RUN EXPOSED OUTSIDE CLASSROOMS AND CONCEALED IN CEILINGS AND WALLS INSIDE CLASSROOMS.
– – – (E) CONDUIT RUN UNDERGROUND

- WATER FLOW - SPRINKLER SUPERVISORY DEVICE TO BE CONNECTED TO FACP
- DD HVAC UNIT - DUCT DETECTOR - SUPPLY & RETURN DUCTS TO BE CONNECTED TO FACP



CONDUIT THRU FIRE RATED WALL

N.T.S.

NOTES

1. FORCE THE CP 25/NB CAULK INTO THE ANNULAR SPACE TO THE MAXIMUM EXTENT POSSIBLE FLUSH WITH THE EXTERIOR OF THE PENETRATION SURFACE.
2. FINISH CAULKING WITH A 1/4" (6mm) MINIMUM BEAD OF CP 25N/6 CAULK APPLIED TO THE PERIMETER OF THE CONDUIT/PIPE AT ITS EGRESS FROM THE WALL.
3. THE MAXIMUM ANNULAR SPACE IS NOT TO EXCEED 3/16" (5mm).
4. INSTALL THE 3M FIRESTOP ON BOTH SIDES OF THE WALL.
5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTME-814 (UL 1479) FIRE TEST AND UL THROUGH PENETRATION FIRESTOP SYSTEM #147.

REVISIONS	BY

ATI ENGINEERING SERVICES, INC.
2010 Crow Canyon Place, Suite 140
San Ramon, California 94583
(510) 866-7100
Setting the Standard in Quality, Service and Innovation

NOTES / DETAILS

MOUNT DIABLO UNIFIED SCHOOL DISTRICT

CONTRA COSTA COUNTY CALIFORNIA

DATE:
CAD FILE: M2601-02.DWG
DRWN BY: MSB, DM
CHECKED BY: FV
JOB NO. M2601
SHEET NO. 2
SHT. OF

GENERAL NOTES

1. ALL EQUIPMENT SHALL BE SECURELY FASTENED TO THE STRUCTURE. SEE NOTES ON DRAWINGS AND SPECIFICATIONS.

2. ANCHORAGE OF EQUIPMENT FOR WHICH SPECIFIC DETAILS ARE NOT SHOWN ON THESE PLANS MUST BE ADEQUATE TO RESIST THE FORCES BASED ON THE REQUIRED Cp FACTORS REQUIRED IN TABLE 23p, 2312 (G) PART B TITLE 24. ANCHORAGE DETAILS TO BE PROVIDED BY THE CONTRACTOR.

3. DO NOT INSTALL CONDUIT ON ROOFS WITHOUT WRITTEN PERMISSION FROM PROJECT MANAGER – MDUSD. IFF APPROVED FLASH AND COUNTERFLASH ALL CONDUITS PENETRATING ROOF TO PROVIDE WATERTIGHT INSTALLATION. CONDUITS TO BE SECURED TIGHTLY TO PREVENT MOVEMENT. VERIFY WITH STRUCTURAL AND MECHANICAL DETAILS.

4. CONTRACTOR SHALL MAINTAIN PROPER CLEARANCE IN FRONT OF ALL SIGNALS PANELS AND MAIN EQUIPMENT RACK.

5. ALL NEW AND EXISTING TERMINAL CABINETS AND OTHER MAJOR EQUIPMENT SHALL BE PROVIDED WITH ENAMELED PHENOLIC NAMEPLATE SECURED WITH SCREWS.

6. ALL ELECTRICAL WORK SHOWN ON THESE DRAWINGS SHALL BE COORDINATED FOR LOCATIONS WITH THE EXISTING CONDITIONS. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THIS COORDINATION. IN THE EVENT OF CONFLICT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY MT. DIABLO UNIFIED SCHOOL DISTRICT AND RECEIVE WRITTEN DIRECTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS NECESSARY TO RELOCATE AND/OR RECONNECT THE SIGNALS, IF NECESSARY.

7. THE CONTRACTOR SHALL FURNISH TO THE OWNER 1 SET OF AS–BUILT DRAWINGS AND 1 REPRODUCIBLE SET. WITH ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS PROPERLY SHOWN AND NOTED. THESE AS–BUILT DRAWINGS SHALL REPRESENT THE AS–BUILT CONDITIONS UPON COMPLETION OF THE JOB, AND SHALL BE UPDATED WEEKLY DURING CONSTRUCTION.

8. ALL WORK SHALL CONFORM TO THE NEC/C.C.R.–T–24/PART 3 LATEST REVISION, LOCAL APPLICABLE CODES AND ALL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT, TITLE 24 PARTS, CALIFORNIA ADMINISTRATIVE CODE AND THE A.D.A..

9. ALL WIRING SHALL BE COPPER 600V INSULATION, THHN/THWN. NO ALUMINUM WIRING SHALL BE ALLOWED.

10. ELECTRICAL EQUIPMENT TO BE GROUNDED FOR ADEQUATE EQUIPMENT GROUND. BOND AND GROUND AROUND ALL PULL BOXES, PANELBOARDS, AND EQUIPMENT FOR CONTINUOUS EQUIPMENT GROUND PATH. REFER TO SECTION 250 OF THE NEC/C.C.R.–T–24 PART 3, RE: GROUNDING. GROUNDING ELECTRODES WHERE REQUIRED AND AS SHOWN ON DRAWINGS SHALL BE INSTALLED AS PER NEC #250.

11. EQUIPMENT INSTALLED OUTDOORS OR IN WET LOCATIONS SHALL BE NEMA 3R/WEATHERPROOF.

12. ALL TERMINAL CABINETS SHALL BE MOUNTED AT +6'–6" TO TOP OF TRIM UNLESS OTHERWISE NOTED.

13. UNDERGROUND DUCTS SHALL BE P.V.C. SCHEDULE 40 WITH A MINIMUM BURY OF 30" FROM TOP OF DUCT TO FINISHED GRADE. A CODE–SIZE GROUND WIRE SHALL BE PROVIDED IN ALL PLASTIC CONDUIT (RIGID STEEL IS SO DESCRIBED ON THE DRAWINGS). INSTALL RED MARKING TAPE ABOVE DUCTS PRIOR TO BACKFILL. TERMINAL CONDUITS IN END BELLS WHERE PULL BOXES ARE USED. CAP OFF SPARE CONDUITS WITH END CAPS. NO RAG FILLERS WILL BE ALLOWED. UNDERGROUND CONDUIT – 1" MINIMUM. ONE SPARE CONDUIT FOR EACH CONDUIT INSTALLED OF EQUAL SIZE.

14. PROVIDE #4 NYLON PULL CHORD IN ALL EMPTY CONDUITS WHERE WIRING IS NOT BEING INSTALLED AT THIS TIME.

15. ALL CONDUIT BENDS UP TO TERMINAL CABINET SHALL BE RIGID GALVANIZED STEEL FROM UNDERGROUND P.V.C. SCHEDULE 40. PAINT ALL BELOW GRADE RIGID CONDUIT WITH TWO COATS OF BITUMASTIC COMPOUND AFTER INSTALLATION. ALL POWER CONDUITS TURNING UP TO SWITCHBOARD, ETC., SHALL BE TREATED IN THE SAME MANNER.

16. CONTRACTOR SHALL EXERCISE EXTREME CARE IN FINISHED AREAS AND AROUND EXISTING EQUIPMENT. COORDINATE WORK TO AVOID DISRUPTION TO THE OCCUPANTS OF THE FACILITY. THE CONTRACTOR SHALL FURNISH, INSTALL AND PAY FOR ALL COSTS OF THE REPLACEMENT FOR WORK DAMAGED BY HIS WORKMEN. ACCEPTANCE OF THE WORK AFTER REPLACEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE MDUSD.

17. A TYPEWRITTEN DIRECTORY SHALL BE MOUNTED BEHIND GLASS OR PLASTIC ON INSIDE OF SIGNALS T.C.'S DOOR, GIVING COMPLETE DESCRIPTION OF ALL DEVICES CONTROLLED BY EACH CIRCUIT. DIRECTORIES OF EXISTING TERMINAL CABINETS MODIFIED UNDER THIS CONTRACT SHALL BE UPDATED.

18. ALL SALVAGEABLE FIXTURES AND/OR EQUIPMENT SHALL REMAIN THE PROPERTY OF THE MDUSD, IF THE MDUSD WISHES TO KEEP THEM, AND SHALL BE STORED AS DIRECTED.

19. ALL BLANKED OFF EXTERIOR JUNCTION BOXES SHALL HAVE WP CAST COVERS WITH RUBBER GASKETS – USE ONLY TAMPER PROOF SCREWS.

20. ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW UNLESS OTHERWISE NOTED; FREE FROM DEFECTS AND SHALL CONFORM WITH UNDERWRITERS LABORATORIES, ETC. STANDARDS AND BE SO LABELED. MATERIALS AND EQUIPMENT NOT SPECIFIED THAT ARE REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION SHALL BE HELD TO BE IMPLIED AND SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST. ENCLOSURES FOR ALL EQUIPMENT SHALL BE SUITABLE FOR USE. INTENDED E.G. WEATHERPROOF FOR EXTERIOR AND WET LOCATIONS. ALL EQUIPMENT SHALL BE RATED FOR USE INTENDED E.G. VOLTAGE. CONDUCTORS SHALL BE COPPER: MINIMUM SIZE OF NO. 14 OR RECEMMENDED BY MANUFACTURER AS APPLICABLE WITH THW, OR THHN INDULATION–600V.

21. NEW SIGNAL SYSTEMS FOR BUILDING ADDITIONS OR REVISIONS ARE TO BE INSTALLED COMPLETE PER THESE DRAWINGS AND SPECIFICATIONS.

22. NO SPLICING OF SIGNAL WIRES IN UNDERGROUND PULL BOXES. ALL SPLICING SHALL BE DONE IN TERMINAL CABINETS ON TERMINAL STRIPS. NO EXCEPTIONS – DO NOT SUBMIT AN ALTERNATE MEANS OF SPLICING.

23. ALL WIRING SHALL BE COLOR CODED TO THE SPECIFICATIONS. NO EXCEPTIONS. ALL SIGNAL SYSTEMS.

24. REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR CONDUIT DESCRIPTION WHEN NOT NOTED WITH IDENTIFICATION LABELS.

25. PROVIDE ALL WARNING LIGHTS AND STRUCTURES NECESSARY TO PROTECT ALL FOOT TRAFFIC IN EXCAVATED AREAS. TRENCHING AND CONDUIT INSTALLATION SHALL NOT BE LEFT EXPOSED EXCEPT FOR THE MINIMUM AMOUNT OF TIME REQUIRED TO INSTALL THE ELECTRICAL CONDUITS AND REPAIR ANY DAMAGES.

26. EXISTING SERVICE SHALL BE MAINTAINED SO THAT "DOWN TIME" IS KEPT TO A MINIMUM. . "DOWN TIME" MUST BE APPROVED BY THE MDUSD. "DOWN TIMES" SHALL COINCIDE AS CLOSELY AS POSSIBLE TO EACH TO CAUSE THE LEAST AMOUNT OF SERVICE INTERRUPTION, WITH PRIOR APPROVAL OF THE MDUSD. THE CONTRACTOR SHALL ARRANGE WORK THAT WILL INTERRUPT SERVICE AFTER OPERATING HOURS, OR IF NECESSARY, WEEKENDS OR HOLIDAYS.

27. GRASS AND/OR SPRINKLER SYSTEMS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION WHERE DAMAGED DURING SIGNALS SYSTEMS ELECTRICAL UNDERGROUND WORK INSTALLATION.

28. IT IS THE INTENT TO CONCEAL ALL NEW CONDUITS BEING INSTALLED IN FINISHED AREAS. WHERE CONDUIT CONCEALMENT IS NOT PRACTICAL, THE CONTRACTOR SHALL, WITH MDUSD APPROVAL, USE WIREMOLD AND WIREMOLD FITTINGS. ALL WIREMOLD SHALL BE RUN FOR MAXIMUM CONCEALMENT IN THE FINISHED AREAS. IT SHALL BE INSTALLED IN THE CORNERS OF THE ROOM WHERE WALL MEETS WALL: WALL MEETS CEILING: ABOVE AND/OR AROUND DOORWAYS AND WINDOWS AND ABOVE FIXED CHALKBOARDS. DO NOT RUN WIREMOLD ACROSS AN EXPOSED WALL OR CEILING WITHOUT IT BEING IN THE CORNERS AND/OR ABOVE THE MOLDING. ALL WIREMOLD SHALL BE PAINTED OUT TO MATCH SURROUNDING ARCHITECTURAL SURFACES AFTER THIS INSTALLATION IS COMPLETE. DO NOT PAINT RECEPTACLES OR THEIR PLATES, SWITCHES OR THEIR PLATES, ETC.

29. ALL PAVING, CONCRETE WORK, ETC., SHALL BE SAW CUT TO ACCEPT THE NEW CONDUIT INSTALLATIONS. CONCRETE OR ASPHALT BEING REPLACED SHALL MATCH THE COLOR AND THICKNESS OF EXISTING CONCRETE.

30. EXISTING CONDUITS, TERMINAL CABINETS, DEVICES, ETC. SHOWN ON PLANS WERE TAKEN FROM EXISTING BUILDING PLANS AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING DEVICES, CONDUITS LOCATION AND CONDITIONS. BID PRICE SHALL INCLUDE ALL REQUIRED WORK FOR A COMPLETE,IN PLACE AND OPERATIONAL SYSTEM AS SPECIFIED.

31. UTILIZE (E) J–BOXES WHERE AVAILABLE AND WHERE FEASIBLE.

32. WHEREVER BLANK PLATES, CONDUIT, OR WIREMOLD IS REQUIRED. PRIME AND PAINT TO MATCH (E) SURROUNDINGS.

33. CONTRACTOR TO REMOVE AND SALVAGE ALL EXISTING MASTER CLOCKS. DELIVER ALL SALVAGED CLOCKS TO MDUSD – 2701 WILLOW PASS RD. CONCORD, CA.

34. ANY SALVAGE OF EXISTING EQUIPMENT BY THE CONTRACTOR MUST BE APPROVED IN WRITING BY THE PROJECT MANAGER –MDUSD.

35. QUESTIONS DURING CONSTRUCTION SHALL BE DIRECTED TO THE PROJECT MANAGER – MDUSD. (STEVE TANGLEY – 682 8000 X440)

COLOR CODING AND WIRING NUMBERING

1. All conduit entering and leaving terminal cabinets and junction boxes shall be numbered in a logical and consecutive manner consistent with terminal numbers.

2. All conductors shall be tagged, labled, and color coded. Color coding shall be by wire insulation, not taping or banding. The numbering and color coding shall be continuous from each circuit wire. Exception: manufactured, pre–bundled wiring assemblies with imprinted numbers on each conductor every few inches are acceptable when specifically approved.

3. Wires shall be numbered at each connection. Termination and junction point. Wiring numbering tags shall be Brady, Permo–Code, Westline, or equal with wire markers. Each group of wires shall be tagged with its destination at each panel, terminal box or junction box.

4. Data cables shall be West Penn #991 for fire alarm system.
   2# 14 Copper THNN in conduit for each initiating circuit. Class B (Optional Class A).
   2# 14 Copper THHN in conduit for each new pull station. Class B (Optional Class A).
   2# 12 Copper THHN in conduit for each strobe lighting fixture.
   2# 12 Copper THHN in conduit for each horn and mini horn.
   Provide all connections and devices as shown on FA single line diagrams.

5. Wiring shall be done per manufacturer's recommendations. No speaker wire shall be less than #18. All terminal connections to be on barrier strips. All cables to be labled by room.

6. ALL WELL FIRES ALARM CABLES AND WIRES MUST BE FIRE RATED.

7. Signal systems contractor shall have full responsibility of field coordination to re–use existing conduits and/or to install new as required by accepted manufacture (Bogen). A preliminary site inspection for bid purposes is recommended.

8. Intercom, clocks, cables and wires shall be as shown on the riser diagram and/or as specified by Bogen manufacturer.

FIRE ALARM NOTES

1. Installation shall conform to all applicable state and local codes.

2. Installation shall comply with the UBC/C.C.R.–T–24/PART 2–1991 Section 809 and NFPA 72. NEC/C.C.R.–T–24/PART 3 1991 article 760 & nfpa 72E, 72G, 72H, with california amendments.

3. All wire shall be installed and protected in approved raceways in accordance with the NEC/C.C.R.–T–24/ PART 3–1991 760–29B or in accordance with article 725/760.

4. Manual stations shall be located per code and mounted at +48" to center line above finished floor. Reference California/National Electrical Code 760–9.

5. The local authority having jurisdiction shall witness the final testing of the fire alarm system.

6. Drawings shall be in accordance with the California Building Code SECTION 809. NFPA, California/National Electrical Code 760–7.

7. All circuits shall be supervised against opens, shorts and grounds. Reference NEC/C.C.R.–T–24/Part 3–1991

8. Installation of devices shall be in accordance with manufacturers instructions.

9. Backup batteries shall supply 24 hours of standby and 5 minutes of alarm.

10. Mark all wires in accordance with 760–4.

11. Field verify and reuse underground conduit between buildings when usable.

12. All outside fire alarm devices shall be weatherproof type.

13. Existing fire alarm system shall not be disconnected or taken out of services until the new fire alarm will be accepted by local fire authorities and MDUSD.

14. Signal tones produced by FACP shall be capable of producing the California uniform fire signals.

15. All HVAC fans in excess of 2,000 CFM shall shut–off upon detection of smoke in return air duct and all HVAC unit shall have installed duct detectors connected to FACP (supply and return).

SCHOOLS EQUIPMENT ANCHORAGE

In accordance with UBC/C.C.R.–T–24, Section 2336and Table No. 23–P, details shall be provided for the seismic anchorage of all mechanical and electrical equipment. Anchorage details shall be based upon appropriate design calculations.

For equipment weighing 400 pounds or more anchorage details and appropriate design calculations shall be submitted as part of the mechanical and electrical drawings. "Deferred Approval" items will not be permitted unless specifically approved by the Plan Check Supervisor.

EXCEPTION: Attachments of equipment weighing less than 400 pounds and supported directly on the floor or roof structure, furniture, or temporary or movable equipment and equipment weighing less that 20 pounds that is supported by vibration isolation devices suspended from the roof, wall or floor, need no be detailed on the plans provided the following notes are included on the mechanical and electrical plans.

All mechanical and electrical equipment shall be braced or anchored to resist a horizontal force acting in any direction using the following criteria:

Fixed Equipment on Grade	20% of Operating Weight
Fixed Equipment of Structure	30% of Operating Weight
Emergency Power Equipment on Grade	30% of Operating Weight
Emergency Power Equipment on Structure	30% of Operating Weight

Simultaneous Vertical Force – Use 1/3 X Horizontal Force.

For Flexible Mounted Equipment see Title 24, Section 2312(g) 2.

Where anchorage details are not shown on the drawings, the field installation shall be subject to the approval of the structural engineer and the field representative of the Office of the State Architect.

Notice

This table has been prepared for an Importance Factor of I=1.0 and for Seismic Zone 4. Make appropriate adjustment for any other values.

FIRE ALARM SYSTEMS DEFERRED APPROVAL

1. "The Fire Protection Signaling System shall not be installed until shop drawings, including State Fire Marshal listing number for each component of the system have been submitted and approved by ORS."

2. A complete Fire Alarm submittal consists of the following: See also NEPA 72–E and specifications section 16720.

   A. Shop Drawings
      1. Electrical Engineers review and stamp
      2. Riser diagram, breakdown by zone.
      3. Location of devices
      4. Scale distance; spacing, etc.
      5. Point to point connectors
      6. Wiring size and number of wires, etc.
      7. Diagram of power circuit.
      8. Site plan and floor plans to scale with identification of each room use or occupancy.

   B. Specification Cut Sheets
      1. Model numbers
      2. Type
      3. SFM listing number

   C. Number of devices used (E6. 21 strobe lightings, mini horns, 25 pull stations, etc.)

   D. Battery calculations (showing capability for 24 hr. backup operation plus 5 minutes alarm).

   E. Local Fire Department approval for the Annunciator panel location.

   F. Voltage drop calculation

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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LICENSED ARCHITECT
MARK S. BELL
C-20677
EXP. 12/94
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MARK S. BELL
No. 7195
ELECTRICAL
STATE OF CALIFORNIA

REVISIONS	BY

ATI ENGINEERING SERVICES, INC.
2010 Crow Canyon Place, Suite 140
San Ramon, California 94583
(510) 866–7100

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NOTES

MOUNT DIABLO UNIFIED SCHOOL DISTRICT

CONTRA COSTA COUNTY CALIFORNIA

DATE:
CAD FILE: M2601–03.DWG
DRWN. BY: MSB, DM
CHECKED BY: FV
JOB NO.
SHEET NO. 3
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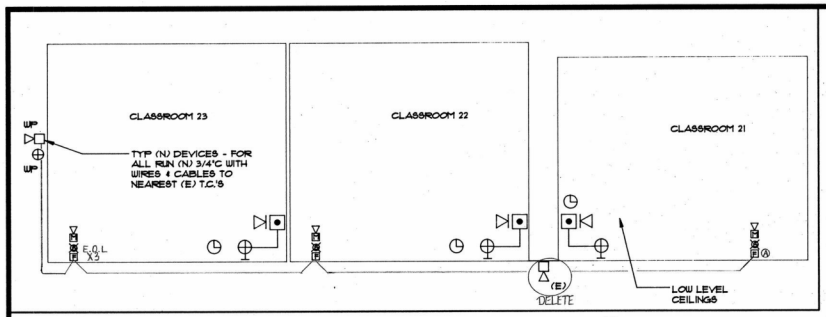
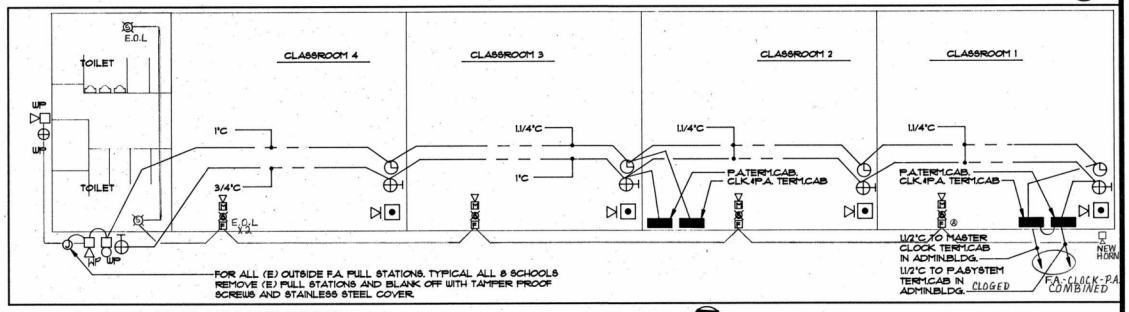


PORTABLE CLASSROOM BLDG.

1 SIGNAL F.A. CIRCUIT 1/8"=1'0"

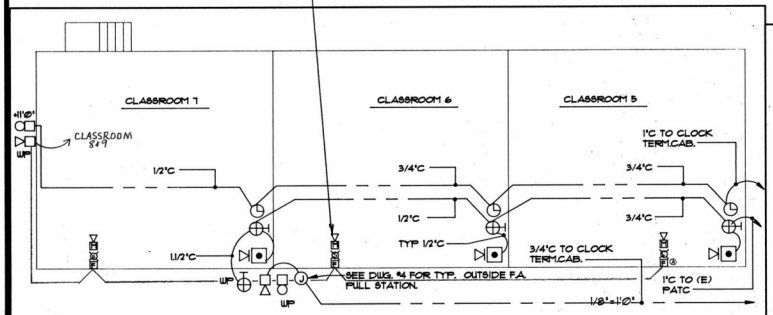
NOTE:
"THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL." (521)

NOTE:
A GROUP OF THESE DEVICES ARE LOCATED NEAR EACH EXIT DOR. (TYPICAL ALL BLDGS)



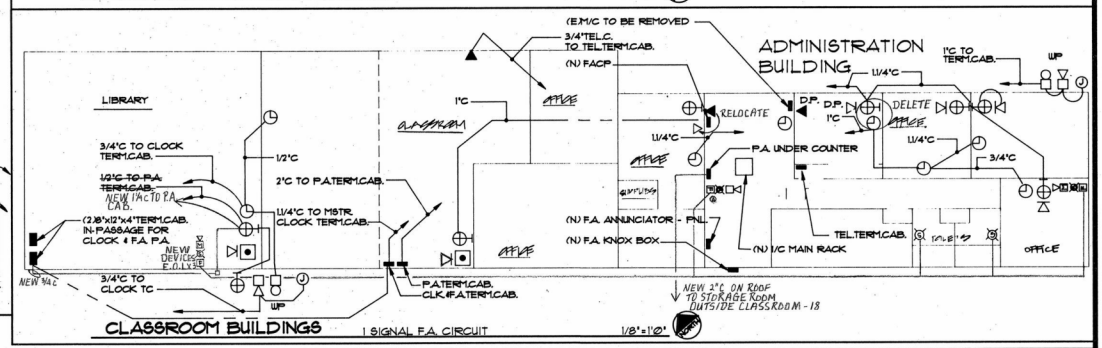
CLASSROOM BUILDINGS

1 SIGNAL F.A. CIRCUIT 1/8"=1'0"



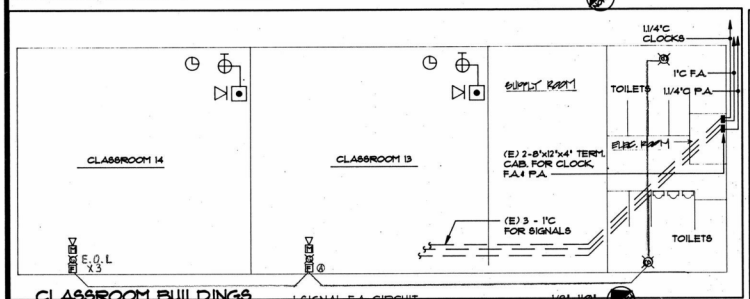
CLASSROOM BUILDINGS

1 SIGNAL F.A. CIRCUIT



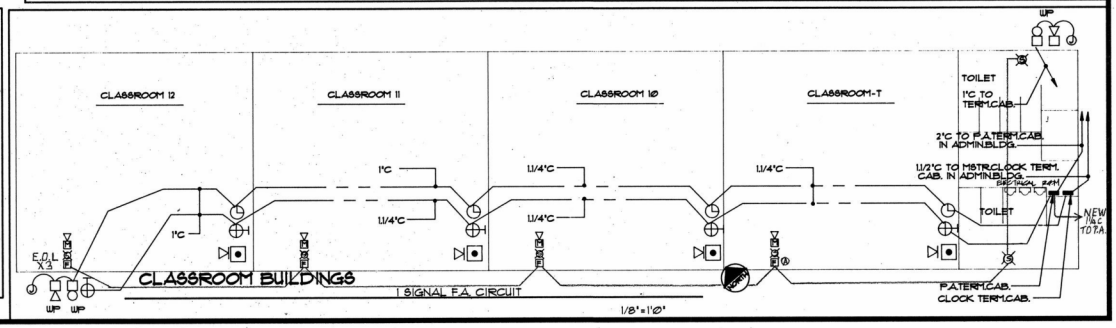
CLASSROOM BUILDINGS

1 SIGNAL F.A. CIRCUIT 1/8"=1'0"



CLASSROOM BUILDINGS

1 SIGNAL F.A. CIRCUIT 1/8"=1'0"



CLASSROOM BUILDINGS

1 SIGNAL F.A. CIRCUIT 1/8"=1'0"

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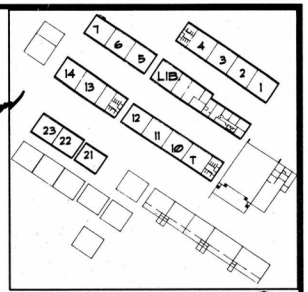
4/04
ELECTRICAL ENGINEER
STATE OF CALIFORNIA

LICENSED ARCHITECT
MARK S. BERG
RC-20677
EXP. 3/04
STATE OF CALIFORNIA



KEY PLAN N.T.S.

NORTH

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San Ramon, California 94583
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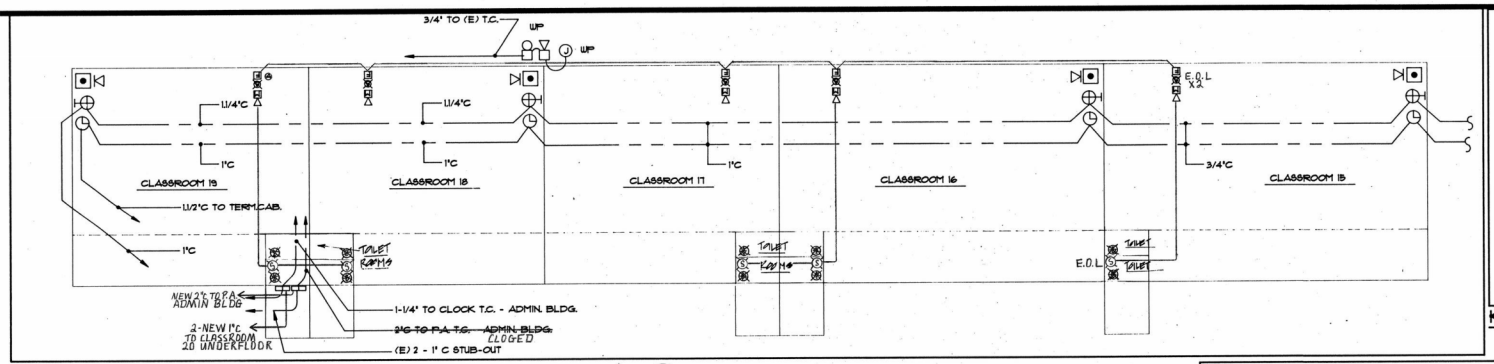
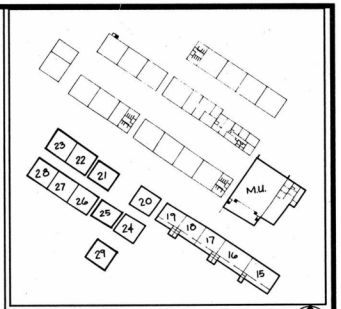
NEW ALARM SIGNAL PLAN

Mt. Diablo Unified School District
Meadow Homes Elementary School
Contra Costa County CALIFORNIA

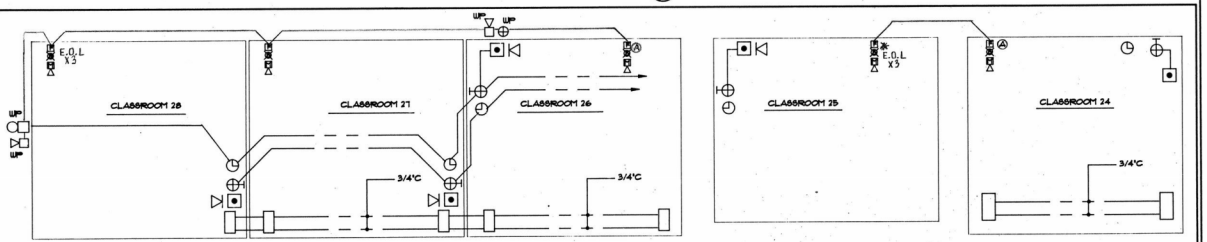
DATE:	
CAD FILE:	M260ID01.DWG
DRWN. BY:	MSB,DM
CHECKED BY:	FV
JOB NO:	M260ID
SHEET NO:	7
SHT.	OF



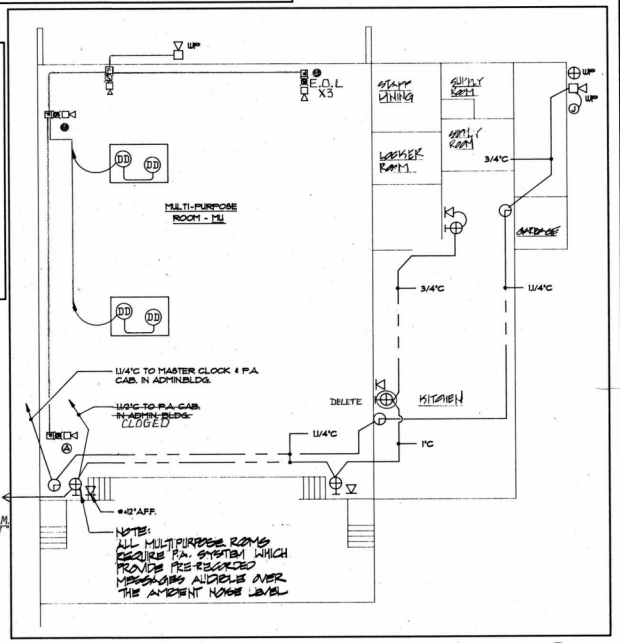
CLASSROOM BUILDING 1 SIGNAL F.A. CIRCUIT 1/8"=1'0"



KEY PLAN N.T.S.

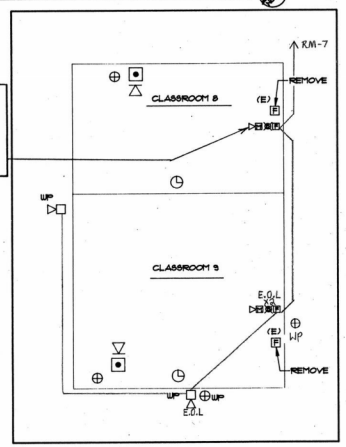


PORTABLE CLASSROOM BLDGS. 1 SIGNAL F.A. CIRCUIT 1/8"=1'0"

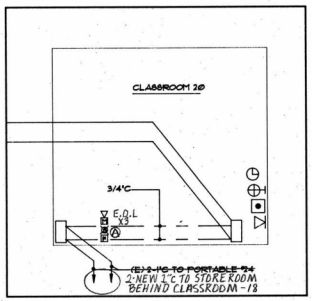


MULTI-USE BUILDING 1 SIGNAL F.A. CIRCUIT 1/8"=1'0"

NOTE:
A GROUP OF THESE DEVICES ARE LOCATED NEAR EACH EXIT DOOR. (TYPICAL ALL BLDGS)



CLASSROOMS



PORTABLE CLASSROOM #20 1/8"=1'0"

NOTE:
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LICENSED ARCHITECT MARK S. BELES C-20677 EXP. 3/455 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER No. 7196 ELECTRICAL 4/91 STATE OF CALIFORNIA

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2010 Crow Canyon Place, Suite 140
San Ramon, California 94583
(510) 866-7100

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NEW ALARM & SIGNAL PLAN

Mt. Diablo Unified School District
Meadow Homes Elementary School
Contra Costa County CALIFORNIA

DATE:
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CHECKED BY: FV
JOB NO: M2601D
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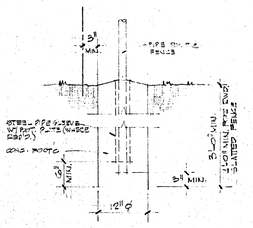
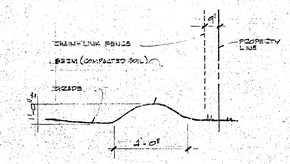
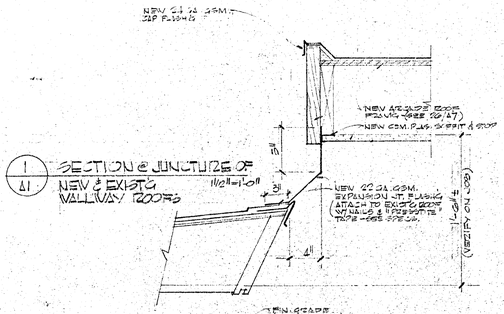


5 / A1 FENCE/POST FOOTING 3/4"=1'-0"

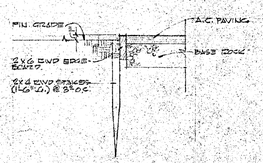


4 / A1 BERM DETAIL (NO SCALE)

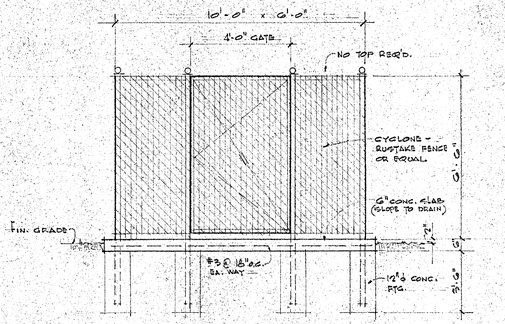


1 / A1 SECTION @ JUNCTURE OF NEW & EXIST'G WALKWAY ROOFS 1 1/2"=1'-0"

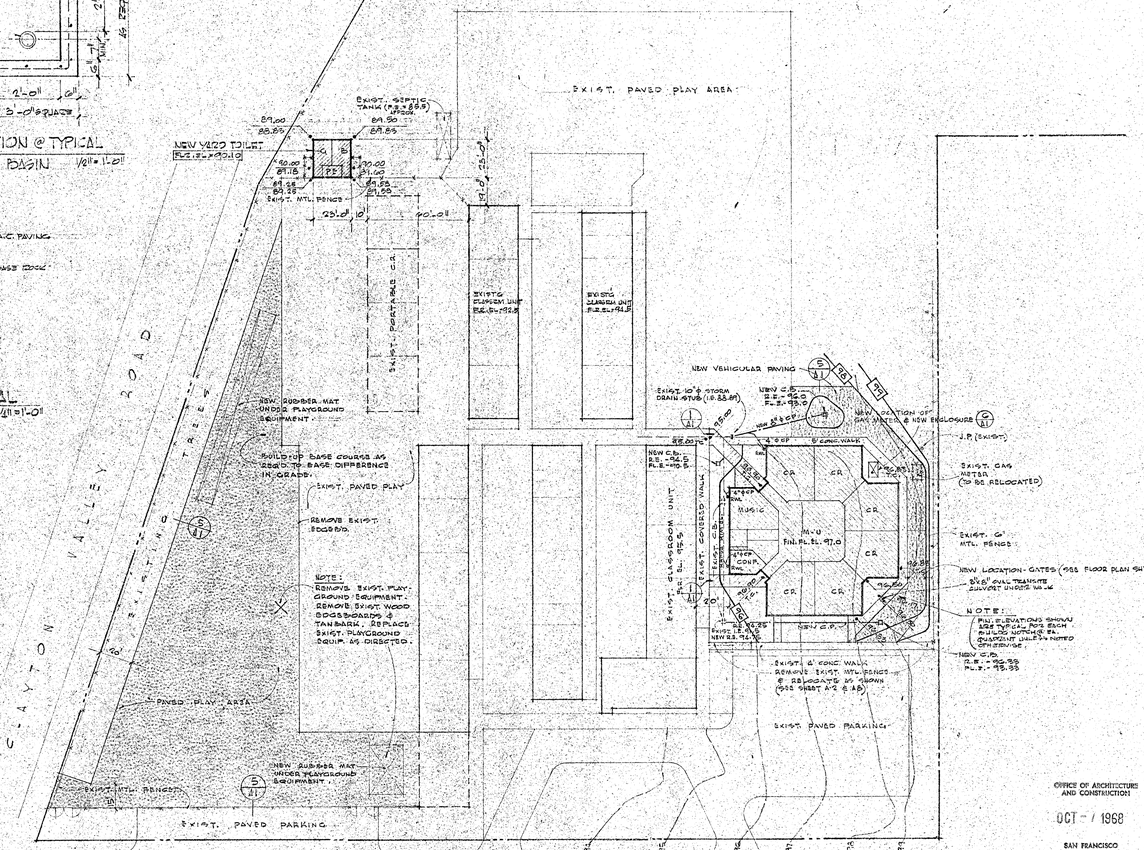
2 / A1 SECTION @ TYPICAL CATCH BASIN 1 1/2"=1'-0"



5 / A1 SECTION @ TYPICAL PAVING EDGE 3/4"=1'-0"



10' ELEV. - NEW ENCLOSURE FOR GAS METER SCALE 3/8" = 1'-0" 6 / A1



SITE PLAN SCALE 1" = 40'

LEGEND
- EXIST. BUILDINGS
- PROPOSED CONSTRUCTN.
- NEW ASPHALT PAVING
- EXISTING CONTOURS
- NEW CONCRETE PAVING

INDEX OF DRAWINGS	
SHEET	TITLE
A1	SITE PLAN
A2	FLOOR PLAN
A3	EXTERIOR ELEVATIONS
A4	SCHEDULES & MISC. DETAILS
A5	INTERIOR ELEVATIONS
A6	CEILING & ROOF PLANS
A7	MISCELLANEOUS DETAILS
A8	YARD TOILET - PLAN, ELEVS. & DETS.
S1	GENERAL NOTES & TYPICAL DETS.
S2	FOUNDATION & FLOOR FRAMING PLANS
S3	ROOF FRAMING PLAN & SECTIONS
S4	STRUCTURAL SECTIONS
S5	STRUCTURAL SECTIONS
S6	YARD TOILET FRAMING PLANS & SECT.
P1	PLUMBING SITE PLAN - SCHED.
P2	PLUMBING FLOOR PLAN
M1	HEATING FLOOR PLAN
M2	HEATING DETAILS
E1	ELECTRICAL SITE PLAN - SCHED.
E2	ELECTRICAL FLOOR PLAN

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 24 1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURE AND CONSTRUCTION
81 891 APPROVED OCT - 2 1968
APPLICATION
BY

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 7 1968
SAN FRANCISCO SCHOOL SECTION

ADDITION TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA.

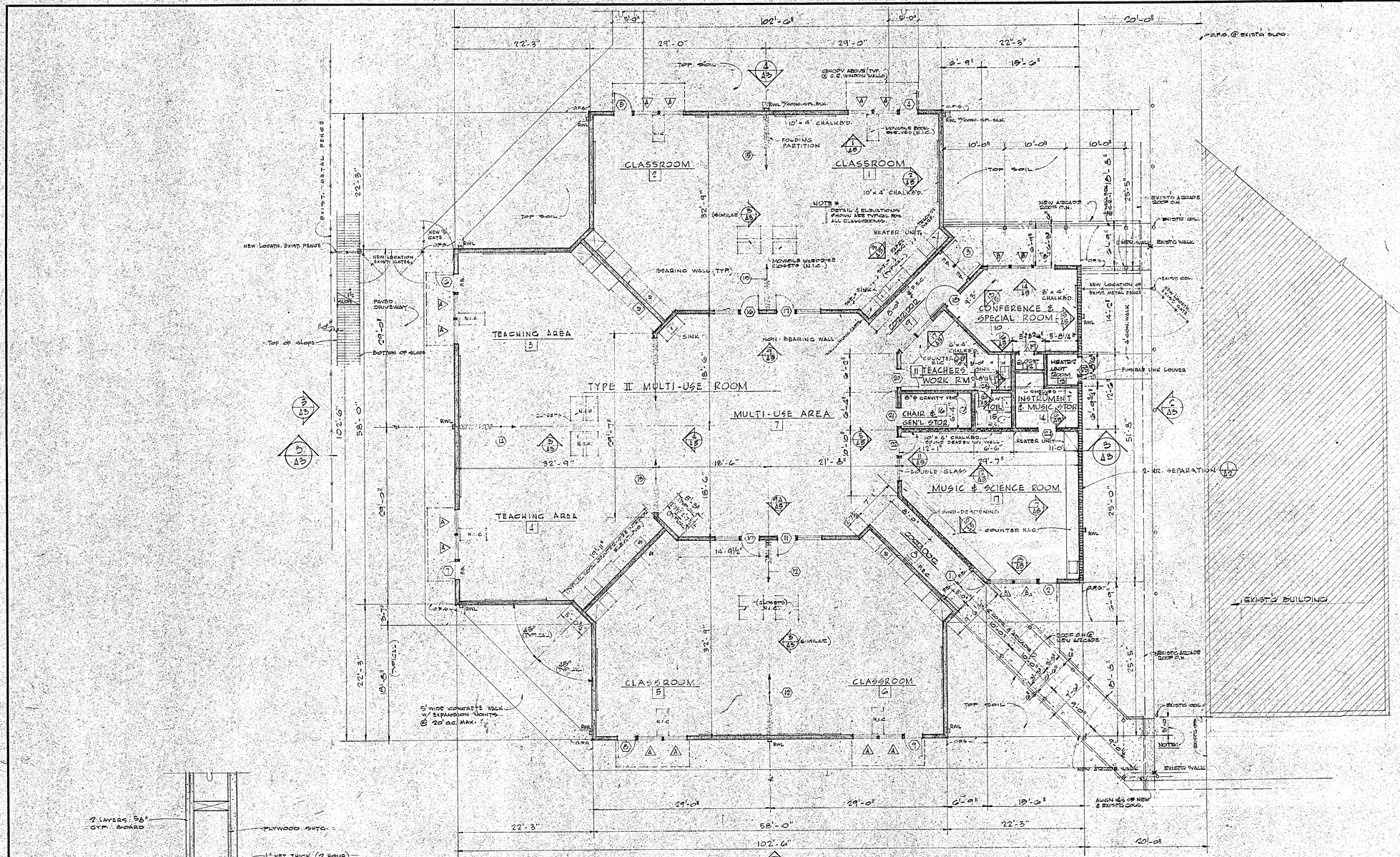
SITE PLAN

HOWARD E. WESTFALL
ARCHITECT & ASSOCIATES A.I.A.
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94596 • TELEPHONE 415 • 939-5055

SHEET
A-1
OF 20 SHEETS

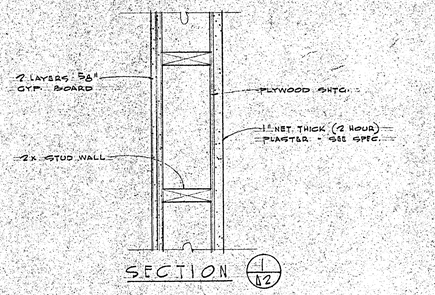
JOB NO. W-01-68

DATE: 8-28-68	REVISED
DR. BY:	
CH. BY:	



FLOOR PLAN ... CLASSROOM UNIT

1/8" = 1'-0"



SECTION 1/A2

TYPICAL 2 HR. SEPARATION

SCALE 1/2" = 1'-0" (EXTEND FROM FLOOR TO ROOF SHTG.)

LEGEND:

- SOUND DEADENING WALL
- 2 - HR. SEPARATION WALL
- CONCRETE WALL
- O.F.S. OUTSIDE FACE OF STUDS
- EXISTING CONSTRUCTION
- N.I.C. NOT IN CONTRACT - (THESE ITEMS ARE NOT INCLUDED IN O.A.C APPROVAL)

NOTE: ALL CABINET WORK SHOWN ON THESE DRAWINGS - N.I.C.

TRUE NORTH

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 7 1968
SAN FRANCISCO SCHOOL SECTION

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 9 1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURE AND CONSTRUCTION
31891 APPROVED OCT 2 1968
APPLICATION No.

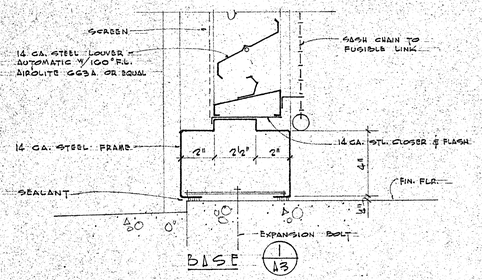
ADDITION NO. TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
FLOOR PLAN

HOWARD E. WESTFALL A.I.A.
ARCHITECT & ASSOCIATES
3100 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94598 • TELEPHONE 415 • 935-5066

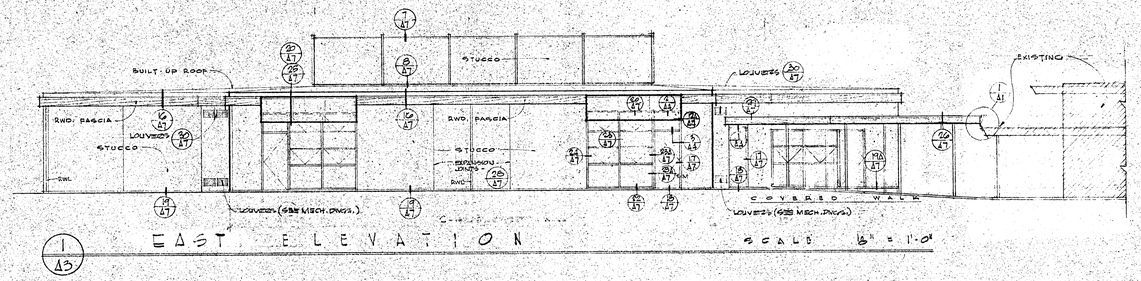
SHEET
A-2
OF 10 SHEETS

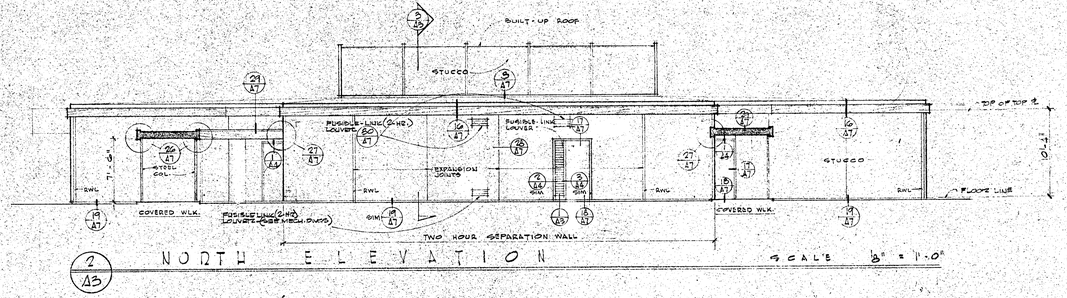
JOB NO. W-01-68

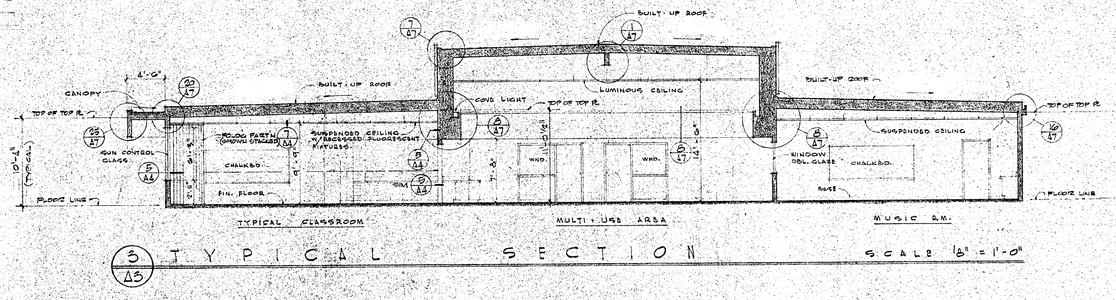
DATE: 8-28-68	REVISED
DR. BY:	
CH. BY:	

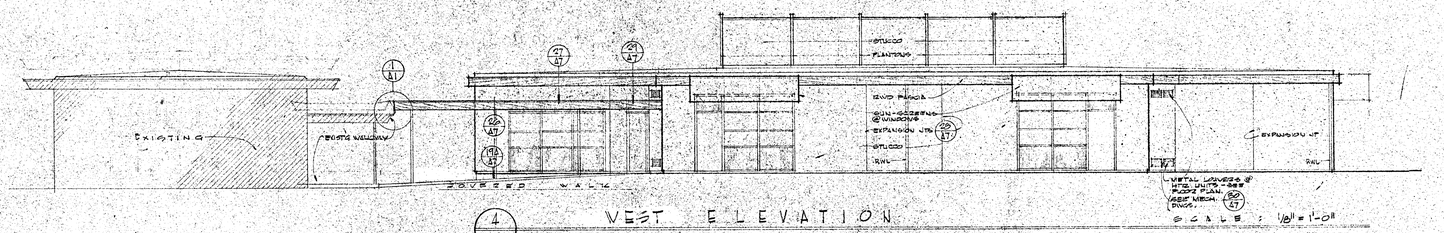


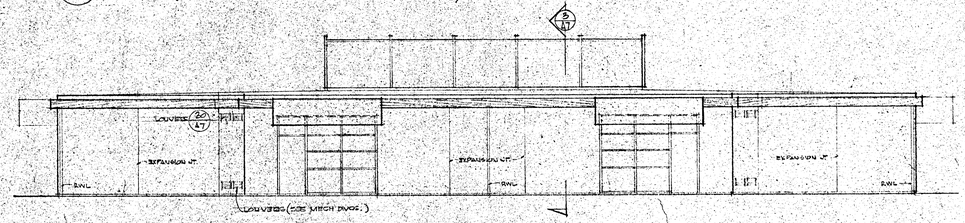
FUSIBLE LINK LOUVER AT MECHANICAL RM.
3" = 1'-0"











APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE 10/2 1968
BY

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPROVED 10/1 - 2 1968
31891
APPLICATION
BY

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

ADDITION NO. 5 TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
EXTERIOR ELEVATIONS

HOWARD E. WESTFALL
ARCHITECT
& ASSOCIATES
A.I.A.
1596 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94595 • TELEPHONE 415 • 935-5805

SHEET
A-3
OF 20 SHEETS
JOB NO. W-01-68
DATE: 8-28-68 | REVISED
DR. BY:
CH. BY:

INTERIOR FINISH SCHEDULE

NO	ROOM NAME	FLOOR: CONCRETE	FLOOR: VINYL ASBESTOS TILE	FLOOR: CERAMIC TILE	FLOOR: CARPET	BASE: 4" CLOSED (TOP SET)	BASE: WOOD (D.F. - 1"x4" SET)	BASE: CERAMIC TILE	WALLS: PLYWOOD COVERED GYP. BD.	WALLS: GYP. BD.	WALLS: PLASTER ON GYP. BD.	WALLS: CEMENT PLASTER	WALLS: CERAMIC TILE	WALLS: ACOUSTIC TILE	CEILING: CEMENT PLASTER	CEILING: GYP. BD.	CEILING: 12"x12" ACOUSTIC TILE	CEILING: GYP. BD.	CEILING: SUSPENDED (INTEGRATED LUMINOUS)	CEILING: SUSPENDED (LUMINOUS)	CLG. HT.: CEILING HEIGHT (BOTTOM OF PLYWD.) FURRED TO FLOOR LINE	DOORS: WOOD	TRIM: D.F. DOOR TRIM & FRAMES	TRIM: D.F. WINDOW TRIM & FRAMES	TRIM: METAL DOOR FRAMES	CASE WORK: PEG-BOARD (N.I.C.)	CASE WORK: MILLWORK	COUNTERS & SHELVING: WOOD SHELVING	MISCELLANEOUS: CHALKBOARDS	MISCELLANEOUS: DARKENING CURTAINS & HDWE.	MISCELLANEOUS: MET. PARTITIONS (PEB-FIN.)	MISCELLANEOUS: HEATER UNIT
1	CLASSROOM			◎		◎	4A*		◎		7B	7B							◎		9'-9"	4A		4A 4A	5A	◎			◎	◎	◎
2	CLASSROOM			◎		◎	4A*		◎		7B	7B							◎		9'-9"	4A		4A 4A	5A	◎			◎	◎	◎
3	TEACHING AREA			◎		◎	4A*		◎		7B	7B							◎		9'-9"	4A		4A 4A	5A	◎			◎	◎	◎
4	TEACHING AREA			◎		◎	4A*		◎		7B	7B							◎		9'-9"	4A		4A 4A	5A	◎			◎	◎	◎
5	CLASSROOM			◎		◎	4A*		◎		7B	7B							◎		9'-9"	4A		4A 4A	5A	◎			◎	◎	◎
6	CLASSROOM			◎		◎	4A*		◎		7B	7B							◎		9'-9"	4A		4A 4A	5A	◎			◎	◎	◎
7	MULTI-USE AREA			◎		◎	4A*		◎		7B	7B		◎		7B				◎		14'-6"	4A		4A		◎					
8	CORRIDOR			◎		◎			◎		7B							7B				7'-8"	4A		4A 4A	5A	◎					
9	CORRIDOR			◎		◎	4A*		◎		7B							7B				7'-8"	4A		4A 4A	5A	◎					
10	CONFERENCE & SPECIAL RM.			◎		◎	4A*		◎		7B								◎			8'-9"	4A		4A 4A		◎		◎			
11	TEACHER'S WORK RM.			◎		◎	4A*		◎		7B								◎			8'-9"	4A		4A 4A		◎					
12	STORAGE CLOSET	◎					4A				7B				7B							8'-1"	4A					4C				
13	HEATER RM.	◎					4A				7B*				7B							VARIES	4A									
14	INSTRUMENT & MUSIC STORAGE	◎					4A				7B				7B							8'-1"	4A									
15	TOILET	◎				◎					7B				7B							7'-6"	4A								◎	
16	CHAIR & GENERAL STORAGE	◎					4A				7B				7B							8'-1"	4A									
17	MUSIC & SCIENCE RM.			◎		◎	4A*		◎		7B								◎			8'-9"	4A		4A 4A	5A	◎				◎	
18	BOYS		◎					◎					6B							◎		8'-1"				5A						
19	GIRLS			◎				◎					6B							◎		8'-1"				5A						
20	P.E. STORAGE	◎					4A						7B							◎		8'-1"				5A		4C				

NOTES

1. ACOUSTIC TILE @ LIGHT COVE FASCIA - SEE DETAILS
2. 7'-6" CEILING HT. ABOVE WATER CLOSETS
3. WOOD BASE AT WINDOW OPENING ONLY
4. 5/8" GYP. BD. FLOOR TO ROOF STRUCT. BOTH SIDES OF WALL.

EXTERIOR FINISH SCHEDULE

ITEM	MATERIAL: ALUM. ANOD.	CEM. PLASTER (2 COATS)	WOOD COLOR SEALED	GALVANIZED METAL	PREFINISHED METAL	CONCRETE	VINYL ASBESTOS TILE	TILE (SEE INTERIOR FIN.)	MISCELLANEOUS
◎ INDICATES NO PAINTERS' FINISH									
AF INDICATES TYPE OF FINISH (SEE SPECS. DIVISION OF PAINTING)									
WINDOW FRAMES	◎								
DOOR & WINDOW TRIM	◎								
ARCHITECTURAL SECTIONS	◎								
LOUVERS	◎								
ROOF VENTILATORS	◎								
BUILDING WALLS		◎							
SOFFITS		◎							
FASCIA & FASCIA TRIM (EWD)			1B						
MILLWORK			1B						
EWD. TRIM & DIVIDERS & BOXSEDS			1B						
FASCIA (NON-WOOD)		◎							
GUTTERS & SPLASH PANS				5B					
SCUPPERS & GRAVEL STOPS				5B					
METAL FLASHING				5B					
STRUCTURAL SECTIONS					5A				
ROOF SKYLIGHT COLOR PANELS								◎	
COLOR PANELS @ WINDOWS								◎	
DRINKING FOUNTAINS									◎
FOUNDATION WALLS						◎			

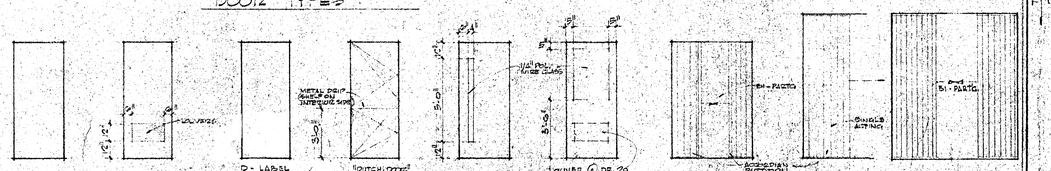
APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE 10-27-1958
BY [signature]

SUBJECT TO CORRECTIONS NOTED HEREON
DATE NOV 2 1959
BY [signature]

DOOR SCHEDULE

MARK	ROOM NAME	ROOM NO	WIDTH	HEIGHT	THICKNESS	NO OF DOORS IN OPENING	DOOR TYPE	MATERIAL: WOOD (REFINISHED)	MATERIAL: SOUND DOOR (SEE SPECS)	MATERIAL: FIBERGLASS (PAINTED)	'D' LABEL (1½ HOUR)	UNDERCUT DOOR 1"	WOOD	HOLLOW METAL	METAL (LABELED)	1/4" CEMENT ASBESTOS	FRAMES: HEAD	FRAMES: JAMB	FRAMES: MULL	FRAMES: SILL	TRANSOM (LABELED)	DETAILS: HEAD	DETAILS: JAMB	DETAILS: MULL	DETAILS: SILL	HARDWARE: PANIC BOLT	HARDWARE: CLOSER (OVERHEAD)	HARDWARE SET NO
1	PASSAGE (TO EXTERIOR)	5	6'-0"	7'-0"	1¾"	2	1B	◎						◎			1/A4	17/A7		19/A7	16/A7		◎	◎			1
2	MUSIC & SCIENCE RM. (TO EXTERIOR)	17	5'-0"	7'-0"	1¾"	1	1B	◎						◎			17/A7	17/A7		23½/A7	16/A7							3
3	PASSAGE (TO EXTERIOR)	9	6'-0"	7'-0"	1¾"	2	1B	◎						◎			1/A4	17/A7		19/A7	16/A7		◎	◎			1
4	CLASSROOM DO.	1	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	2/A4, 3/A4	17/A7, 2/A4		23½/A7	16/A7							3
5	CLASSROOM DO.	2	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	2/A4, 3/A4	17/A7 & 2/A4		23½/A7	16/A7							3
6	TEACHING AREA DO.	3	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	2/A4, 3/A4	17/A7 & 2/A4		23½/A7	16/A7		◎	◎				2
7	TEACHING AREA DO.	4	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	2/A4, 3/A4	17/A7 & 2/A4		23½/A7	16/A7							2
8	CLASSROOM DO.	5	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	2/A4, 3/A4	17/A7 & 2/A4		23½/A7	16/A7		◎	◎				3
9	CLASSROOM DO.	6	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	2/A4, 3/A4	17/A7 & 2/A4		23½/A7	16/A7							3
10	CLASSROOM (TO M.U.RM.)	13	2'-0"	7'-0"	1¾"	1	1B	◎					◎				2/A7	10/A7		11/A7							◎	◎	5
11	CLASSROOM DO.	6	3'-0"	7'-0"	1¾"	1	1B	◎					◎				2/A7	10/A7		11/A7							◎	◎	5
12	CLASSROOM	8 & 6	8'-10"	9'-9"	-	1	10B				◎		◎				7/A4	8/A4		C/A4							◎	◎	14
13	TEACHING AREAS (TO M.U.RM.)	8 & 4	28'-0"	7'-0"	-	1	9T				◎		◎				8/A7	8/A4		8/A4							◎	◎	14
14	TEACHING AREAS	2 & 1	31'-10"	9'-9"	-	1	10B				◎		◎				7/A4	8/A4		8/A4							◎	◎	14
15	CLASSROOMS	1 & 2	31'-10"	9'-9"	-	1	10B				◎		◎				7/A4	8/A4		C/A4							◎	◎	14
16	CLASSROOM (TO M.U.RM.)	2	3'-0"	7'-0"	1¾"	1	1B	◎					◎				2/A7	10/A7		11/A7							◎	◎	5
17	CLASSROOM DO.	1	3'-0"	7'-0"	1¾"	1	1B	◎					◎				2/A7	10/A7		11/A7							◎	◎	5
18	CONFERENCE & SPECIAL RM. (TO PASSAGE)	10	3'-0"	7'-0"	1¾"	1	1B	◎					◎				10/A7	10/A7									◎	◎	6
19	DO DO (TO CLOSET)	10	3'-0"	7'-0"	1¾"	1	1B	◎				◎					10/A7	10/A7									◎	◎	11
20	TEACHERS WORK RM. (M.U.RM.)	11	3'-0"	7'-0"	1¾"	1	1B	◎					◎				2/A7	10/A7									◎	◎	6
21	CHAIR & GEN. STORAGE DO.	12	3'-0"	7'-0"	1¾"	1	1B	◎					◎				2/A7	10/A7									◎	◎	8
22	MUSIC & SCIENCE RM. DO.	17	3'-0"	7'-0"	2⅛"	1	1B	◎					◎				2/A7	10/A7		5/A7							◎	◎	7
23	TOILET RM. (TO TEACHERS WK. RM.)	15	2'-6"	7'-0"	1¾"	1	1B	◎					◎				10/A7	10/A7									◎	◎	10
24	MUSIC & SCIENCE RM (TO INSTR. STOR.)	17	3'-0"	7'-0"	1¾"	1	1B	◎					◎				10/A7	10/A7									◎	◎	9
25	HEATER ROOM	15	3'-2"	7'-0"	1¾"	1	1B							◎			SIM. 17/A7	17/A7		3/A4 SIM.	16/A7		◎	◎			◎	◎	4
26	BOYS TOILET RM. (WITH TOILET)	18	6'-0"	7'-0"	1¾"	2	1B	◎						◎		◎	12/A8	12/A8		3/A8	4/A8						◎	◎	12
27	GIRLS TOILET RM (DO.)	19	6'-0"	7'-0"	1¾"	2	1B	◎						◎		◎	12/A8	12/A8		3/A8	4/A8						◎	◎	12
28	P.E. STORAGE (DO.)	20	3'-0"	7'-0"	1¾"	1	1B	◎						◎		◎	12/A8	12/A8			16/A7						◎	◎	13

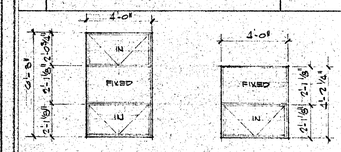
DOOR TYPES



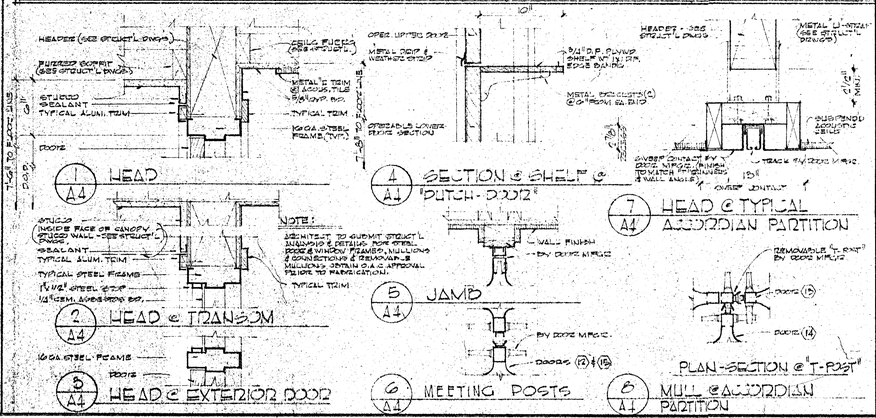
101 102 103 104 105 106 107 108 109

WINDOW SCHEDULE

MARK	ROOM NAME	ROOM NO	WIDTH	HEIGHT	HEIGHTS (ABOVE FLOOR): SILL	HEIGHTS (ABOVE FLOOR): HEAD	WINDOW TYPE	CONSTRUCTION DETAILS: MAT. (ALUMINUM)	GLASS: PLASTIC	GLASS: GLASS	HEAD	JAMB	MULL	SILL
A	CLASSROOM, TEACHING AREAS, CONFERENCE & MUSIC RM.	2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17	2'-0"	2'-11½"	9'-2½"	80	◎		◎	◎	20/A7	22/A7	23/A7, 24/A7	21/A7
B	MUSIC & SCIENCE RM	17	4'-0"	4'-2½"	2'-11½"	7'-1½"	882	◎		◎	◎	20/A7 (SIM)	22/A7	23/A7, 24/A7	21/A7



OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 7 1960
SAN FRANCISCO SCHOOL SECTION

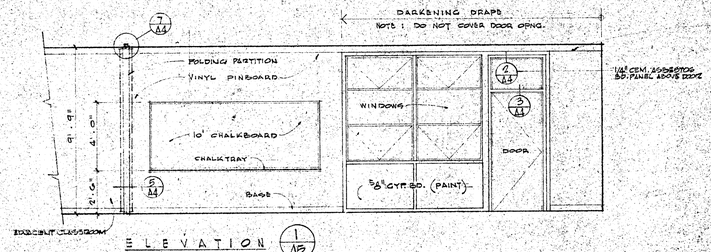


ADDITION TO:
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

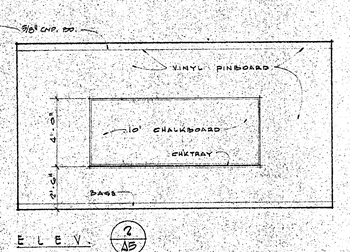
SCHEDULES & MISC. DETAILS

HOWARD E. WESTFALL A.I.A.
ARCHITECT & ASSOCIATES
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94595 • TELEPHONE 415 • 939-5065

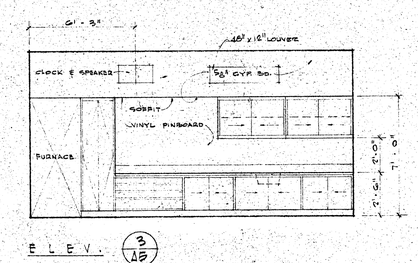
SHEET A-4
OF 20 SHEETS
JOB NO. W-01-60
DATE: 8-25-60 REVISED
DR. BY:
CH. BY:



ELEVATION (1/A5)



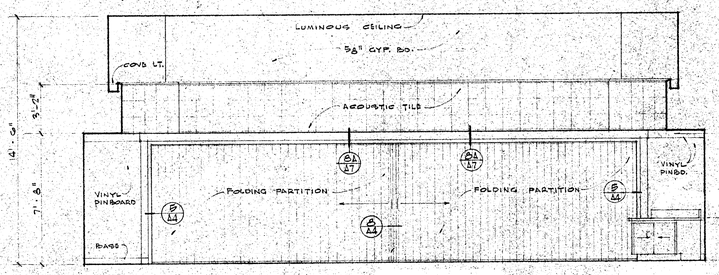
ELEV. (2/A5)



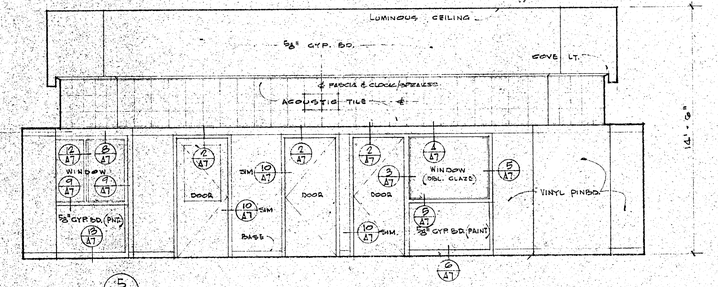
ELEV. (3/A5)

TYPICAL CLASSROOM

SCALE 1/4" = 1'-0"



ELEVATION (4/A5)

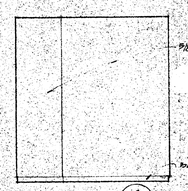


ELEV. (5/A5)

MULTI-USE AREA

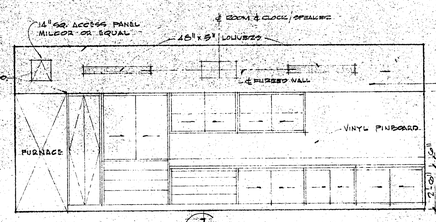
SCALE 1/4" = 1'-0"

* NOTE : ALL CABINET WORK SHOWN ON THESE DRAWINGS - N.I.C

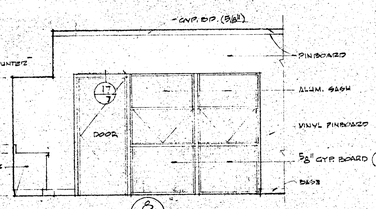


ELEV. (6/A5)

MUSIC STORAGE

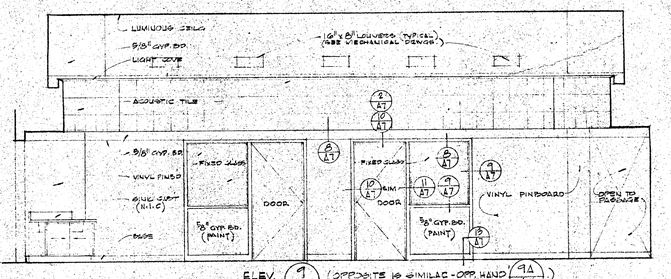


ELEV. (7/A5)



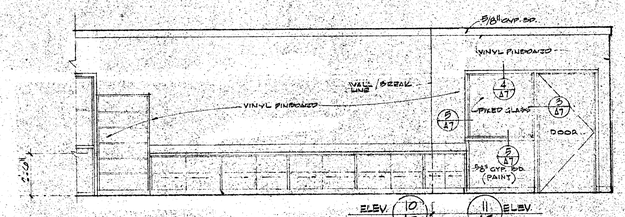
ELEV. (8/A5)

MUSIC & SCIENCE RM.

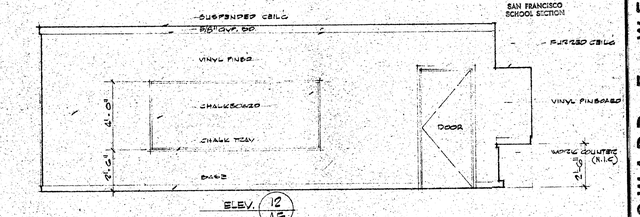


ELEV. (9/A5) (OPPOSITE IS SIMILAR - OPP. HAND (9A/A5))

MULTI-USE AREA

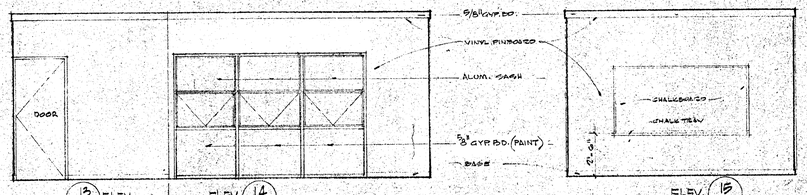


ELEV. (10/A5) ELEV. (11/A5)



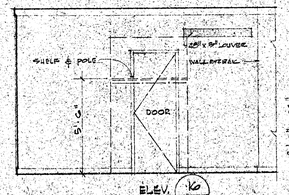
ELEV. (12/A5)

MUSIC & SCIENCE RM.

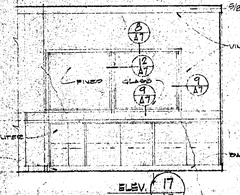


ELEV. (13/A5) ELEV. (14/A5) ELEV. (15/A5)

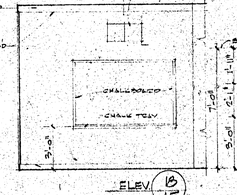
CONFERENCE & SPECIAL RM.



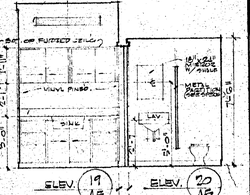
ELEV. (16/A5)



ELEV. (17/A5)



ELEV. (18/A5)



ELEV. (19/A5) ELEV. (20/A5)

TOILET RM.

TEACHER'S WORK RM.

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 7 1968
SAN FRANCISCO SCHOOL SECTION

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 25 1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE AND ENGINEERING
31891 APPROVED OCT - 2 1968
For

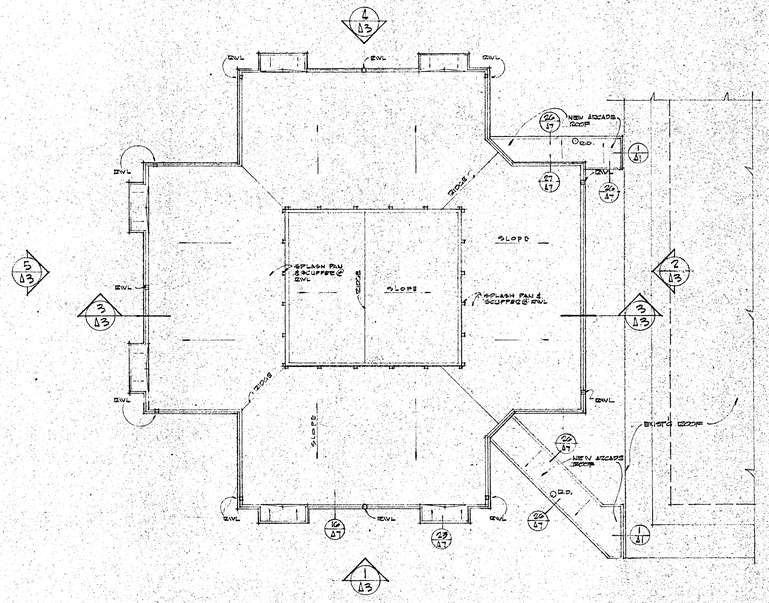
ADDITION NO 5 TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
INTERIOR ELEVATIONS

HOWARD E. WESTFALL A.I.A.
ARCHITECTS & ASSOCIATES
1136 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 • TELEPHONE 415 • 939-5065

SHEET
A-5
OF 20 SHEETS

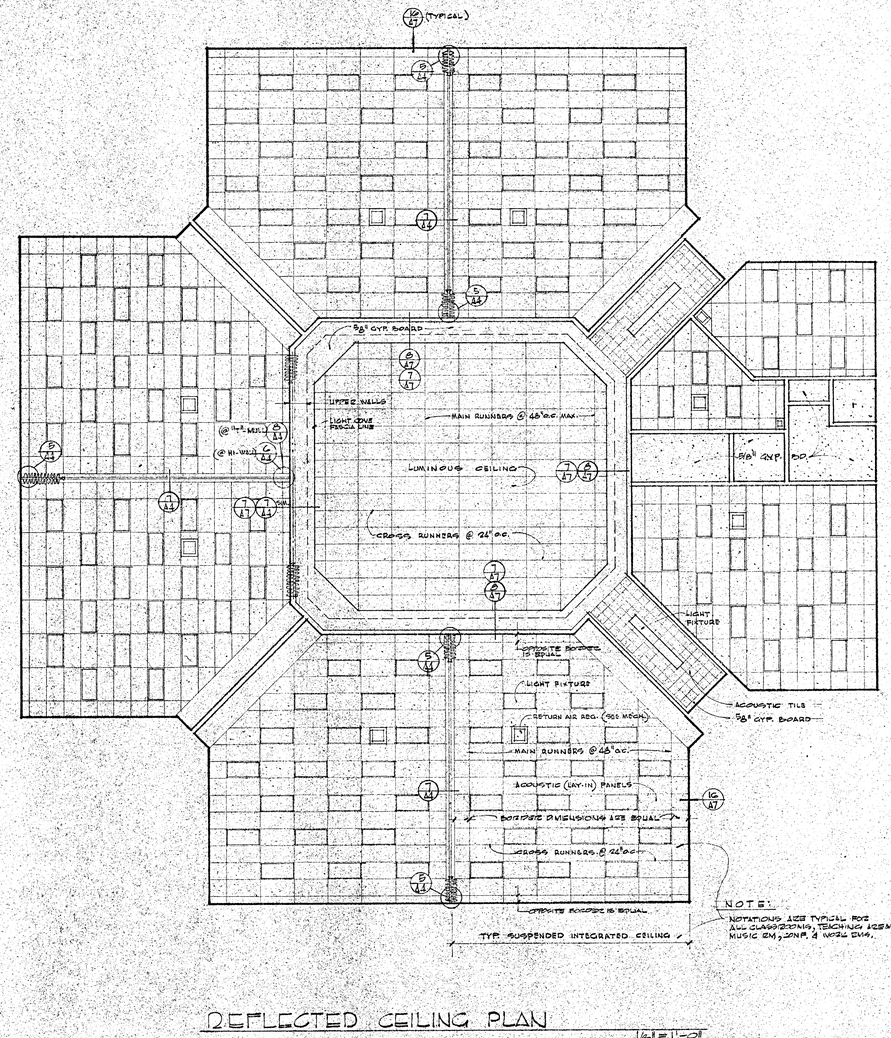
JOB NO. W-01-68

DATE: 5-28-68	REVISED
DR. BY:	
CH. BY:	



ROOF PLAN

1/16" = 1'-0"



NOTE:
NOTATIONS ARE TYPICAL FOR ALL CLASSROOMS, TEACHING ROOMS, MUSIC RM., CONF. & MED. EMS.

REFLECTED CEILING PLAN

1/8" = 1'-0"

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 7 1968
SAN FRANCISCO SCHOOL DISTRICT

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 2 1968
BY

STATE OF CALIFORNIA — OFFICE OF ARCHITECTURE AND CONSTRUCTION
APPLICATION NO. 21391 APPROVED OCT - 2 1968
By

ADDITION NOS TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

CEILING & ROOF PLAN

HOWARD E. WESTFALL
A R C H I T E C T A. I. A.
& ASSOCIATES
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 · TELEPHONE 415 | 935-3065

SHEET
A-6
OF 20 SHEETS
JOB NO. W-01-68
DATE: 8-28-68 | REVISED
DR. BY:
CH. BY:

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE: OCT 2 1968
BY:

OFFICE OF ARCHITECTURE AND CONSTRUCTION
APPROVED OCT - 2 1968
31891
For: [illegible]

ADDITION TO
MT. DIABLO ELEMENTARY SCHOOL
UNIFIED SCHOOL DISTRICT
MT. DIABLO
CONTRA COSTA COUNTY CALIFORNIA

MISCELLANEOUS DETAILS

HOWARD E. WESTFALL
A R C H I T E C T S A. I. A.
& ASSOCIATES
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94596 . TELEPHONE 415 - 935-5065

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

SHEET
A7
OF 20 SHEETS
JOB NO. W-01-65
DATE: 8-26-68 REVISED
DR. BY:
CH. BY:

EXPANSION JOINT
CORNER JOINT

28/A7 TYPICAL WALL-JOINT DETAILS — SCALE: 1½" = 1'-0"

29/A7 SECTION — 1½" = 1'-0"

30/A7 HEAD (JAMB & SILL SIMILAR) AT TYPICAL LOUVERS — 3" = 1'-0"

26/A7 SECTION @ ARCADE FASCIA

27/A7 SECTION @ ARCADE/WALL

7/A7 FASCIA @ UPPER ROOF

1/A7 SECTION @ RIDGE GIRDER

16/A7 TYPICAL FASCIA & GUTTER AT LOW ROOF

20/A7 HEAD

25/A7 FASCIA @ CANOPY

24/A7 JAMB

21/A7 SILL

23/A7 23A/A7 MULLION

22/A7 BASE @ WINDOW PANEL

17/A7 JAMB (HEAD SIMILAR)

18/A7 THRESHOLD

19/A7 19A/A7 BASE @ EXTERIOR WALL

8/A7 HEAD

9/A7 JAMB (SILL SIMILAR)

15/A7 NOTE: SEE NOTE @ DETAIL 2/A4

14/A7 TYPICAL SOUND-INSULATED WALL DETS. (EXTEND FROM FLOOR TO ROOF SHTG.)

15/A7 BASE

10/A7 HEAD (JAMB SIMILAR)

11/A7 MULLION

12/A7 MULLION

2/A7 HEAD

3/A7 MULLION

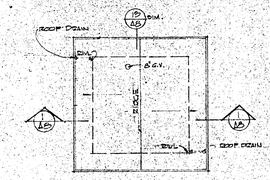
4/A7 MULLION

5/A7 SILL @ SOUND-WALL

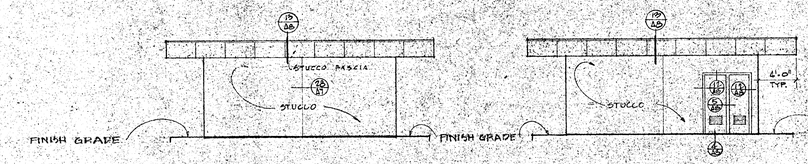
6/A7 BASE

TYPICAL OPENING DETAILS

1½" = 1'-0" UNLESS OTHERWISE STATED.



19/A8 ROOF PLAN
SCALE 1/16" = 1'-0

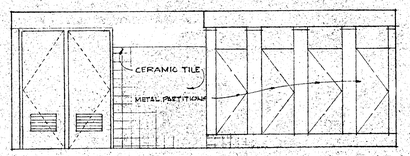


11/A8 FRONT

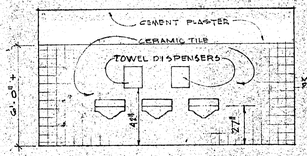
7/A8 7A/A8 RIGHT-SIDE
(LEFT-SIDE SIMILAR - OPP. HAND)

3/A8 REAR

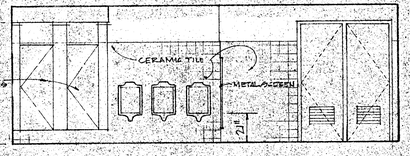
EXTERIOR ELEVATIONS
SCALE 1/8"=1'0"



14/A8 GIRL'S
SCALE 1/4"=1'0"

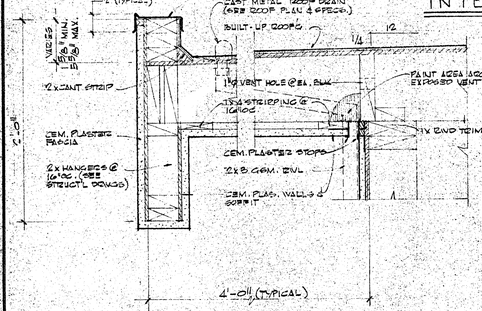


10/A8 BOY'S
GIRL'S SIM.
SCALE 1/4"=1'0"

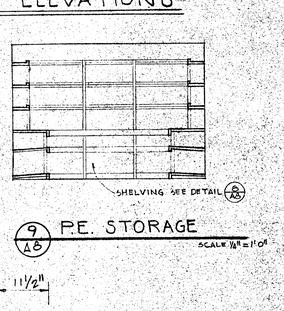


6/A8 BOY'S
SCALE 1/4"=1'0"

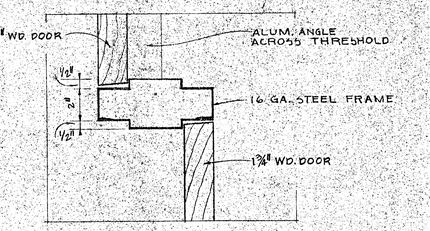
INTERIOR ELEVATIONS



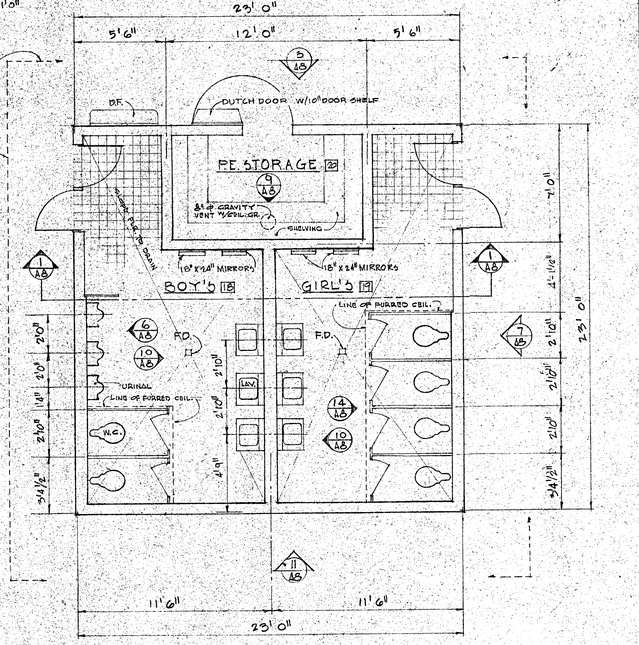
13/A8 TYPICAL EAVE
1 1/2" = 1'-0"



9/A8 P.E. STORAGE
SCALE 1/4"=1'0"



5/A8 MULL
SCALE 3"=1'0"


23' 0"
5'6"
12'0"
5'6"
ROOF OVERHANG
DUTCH DOOR W/10" DOOR SHELF
P.E. STORAGE
SHELVING
18"x24" MIRRORS
BOY'S
GIRL'S
LINE OF FURRED CEIL.
F.D.
URINAL
7'-10"
2'-4 1/2"
2'-10"
2'-10 1/2"
2'-10"
2'-10"
2'-10

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH TITLE 21, CALIFORNIA ADMINISTRATIVE CODE, LATEST EDITION AS AMENDED.

THESE NOTES SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED.

FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS.

SYMBOLS

RW	INDICATES	REDWOOD LUMBER	A-S2	INDICATES	SECTION A ON DRAWING S2, ETC.
	"	A CONTINUOUS MEMBER IN SECTION	JOISTS	"	JOISTS OR RAFTERS
	"	A NON-CONTINUOUS MEMBER SUCH AS SOLID BLKG	DJ	"	DOUBLE JOISTS OR DOUBLE RAFTERS
FC	"	FRAMING CLIP - SEE DETAIL	JH	"	GALVANIZED IRON HANGER AS MANU-
NTS	"	NOT TO SCALE			FACTURED BY UNIVERSAL ANCHORS CO., SEE DETAIL
F.S.	"	FACE OF STUD	PW	"	STRUCTURAL PLYWOOD
			S.A.D.	"	SEE ARCHITECTURAL DRAWINGS

FOUNDATION NOTES

SOIL PRESSURE UNDER FOOTINGS IS NOT OVER 3000 LBS PER SQ. FT. DEAD LOAD PLUS LIVE LOAD. FOUNDATION SOIL IS RED BROWN CLAYEY SILT WITH TRACES OF GRAVEL & RED BROWN SANDY CLAY WITH GRAVEL.
SOIL REPORT IS BY WOODWARD CLYDE & ASSOC., OAKLAND, CALIF. NO. 1021 DATED DEC. 24, 1953

FOOTING PROJECTIONS ARE 12" THICK UNLESS NOTED.

FOR CONTRACT PURPOSES, THE ELEVATION OF THE BOTTOM OF THE FOOTINGS SHALL BE AS NOTED ON FOUNDATION PLANS AND ON DETAILS. THESE FOOTING DEPTH ARE MINIMUM AND SHALL IN NO CASE BE LESS THAN 2'-0" BELOW ADJACENT ~~UNDISTURBED~~ FINAL GROUND. FOOTINGS MUST BEAR ON FIRM UNDISTURBED SOIL.

FOUNDATION WALL BACKFILL SHALL BE PLACED SIMULTANEOUSLY ON EACH SIDE OF WALL. DURING FILL OPERATION, EARTH LEVEL ON ONE SIDE SHALL NOT EXCEED LEVEL ON THE OTHER SIDE BY MORE THAN 6". FOOTINGS SHALL BE CENTERED UNDER BEARING WALLS ABOVE UNLESS NOTED OTHERWISE.

CONCRETE NOTES

CONCRETE SHALL TEST NOT LESS THAN 2500 LB. PER SQ. INCH AT 28 DAYS. SLABS ON GROUND SHALL TEST NOT LESS THAN ~~2000~~ 1500 LB. PER SQ. INCH AT 28 DAYS.

ALL CONCRETE SHALL BE REINFORCED UNLESS NOTED: "NOT REINFORCED".

LAP ALL BARS 40 DIAMETERS AT SPLICES. STAGGER SPLICES WHEREVER POSSIBLE.

REINFORCEMENT, ANCHOR BOLTS, PIPE SLEEVES AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE CONCRETE IS POURED.

BAR COVERAGE SHALL BE: (TO FACE OF BAR)

- 3" WHERE CONCRETE IS POURED AGAINST EARTH, OR AGAINST GROUND CONTACT.
- 1½" FOR BARS LARGER THAN #5, WHERE CONCRETE SURFACES ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.
- ¾" FOR #5 BARS OR SMALLER, WHERE CONCRETE SURFACES ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.

SLABS ON GROUND SHALL BE REINFORCED AT MID-DEPTH OF SLAB WITH #3 BARS AT 18"O.C. EACH WAY. LOCATION OF CONSTRUCTION JOINTS MUST BE APPROVED BY THE ARCHITECTS. SLABS ON GROUND SHALL SEAT ON 2" LEDGE IN FOOTING WALL UNLESS OTHERWISE NOTED.

CARPENTRY NOTES

SILLS ON CONCRETE SHALL BE FOUNDATION GRADE REDWOOD 3" THICK AT STRUCTURAL PLYWOOD SHEATHING WALLS AND 2" MINIMUM THICK ELSEWHERE. THEY SHALL BE ANCHORED WITH 5/8"ø x 14" BOLTS WITH A BOLT WITHIN 9" OF EACH END OF EACH STICK AND SPACED NOT OVER 48" O.C. BETWEEN. THERE SHALL BE AT LEAST 2 BOLTS IN EACH STICK. WHERE NOTCHES FOR PIPES, ETC. EXCEED ⅓ THE WIDTH OF THE SILL, PLACE A BOLT WITHIN 9" OF EACH SIDE OF NOTCH. TIE DOWN BOLTS SHALL NOT BE CONSIDERED AS SILL BOLTS. SILLS SHALL BE BEDDED IN 1:2 CEMENT MORTAR, ¾" THICK.

ALL OTHER LUMBER, NOT OTHERWISE NOTED SHALL BE DOUGLAS FIR MANUFACTURED AND GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU, "STANDARD GRADING AND DRESSING RULES, NO. 15, MARCH 15, 1956 REVISED MAY 1, 1962.

BLOCKING AND BRIDGING - PROVIDE AS FOLLOWS:

A. 2" SOLID BLOCKING BETWEEN JOISTS AND RAFTERS OVER SUPPORT.
B. 2" X 3" (MIN.) CROSS BRIDGING BETWEEN JOISTS AND RAFTERS NOT OVER 8'-0" O.C. NOR MORE THAN 8'-0" FROM SUPPORT.
C. OMIT CROSS BRIDGING BETWEEN CEILING JOISTS AND RAFTERS 2 x 8 AND SMALLER.
D. CONTINUOUS 2" HERRINGBONE BRIDGING (SLOPES 3 IN 12) AT MID-HEIGHT OF STUDS OR SO SPACED THAT UNBRACED LENGTH OF STUDS SHALL NOT EXCEED 8'-0" EXCEPT WHERE WALL FINISH CALLS FOR SOLID HORIZONTAL BLOCKING.

DOUBLE TOP PLATES OR EXTERIOR WALLS SHALL NOT BE CUT TO LAP THE TOP PLATES OF INTERSECTING WALLS, EXCEPT AT EXTERIOR WALL CORNERS OR AS OTHERWISE NOTED ON THE DRAWINGS.

PIPES EXCEEDING ONE-THIRD OF THE PLATE WIDTH SHALL NOT BE PLACED IN PARTITIONS USED AS BEARING OR SHEAR WALLS, UNLESS COMPLETELY FURRED CLEAR OF THE STUDS. PIPE SHALL PASS THRU THE CENTER OF THE PLATES USING A NEAT BORED HOLE. NO NOTCHING WILL BE ALLOWED.

LAGSCREWS SHALL BE SCREWED (NOT DRIVEN) INTO PLACE. DRILL HOLE SAME DIAMETER AND DEPTH AS SHANK, THEN DRILL HOLE SAME DIAMETER, AS AT BASE OF THREAD FOR THE THREADED PORTION. USE PLATE WASHER AS REQUIRED FOR SAME BOLT SIZE.

BOLTS IN WOOD ARE MACHINE BOLTS, UNLESS OTHERWISE NOTED.

BOLT HOLES IN WOOD SHALL BE BOLT DIAMETER PLUS 1/16". PROVIDE SQUARE PLATE WASHER UNDER HEAD AND NUT WHERE BEARING IS AGAINST WOOD, CUT WASHERS UNDER NUT WHERE BEARING IS AGAINST STEEL. WASHERS WILL NOT BE REQUIRED UNDER HEAD OF CARRIAGE BOLTS. LENGTH OF THREAD SHALL BE SUCH THAT THREADS DO NOT BEAR AGAINST WOOD OR STEEL. ALL NUTS SHALL BE TIGHTENED WHEN PLACED AND RETIGHTENED AT COMPLETION OF THE JOB OR IMMEDIATELY BEFORE CLOSING WITH FINISH CONSTRUCTION.

BOLT DIAMETER	SQUARE STEEL PLATE WASHERS	BOLT DIAMETER	SQUARE STEEL PLATE WASHERS
½"	2 x 2 x ¼"	7/8"	3½ x 3½ x 3/8"
5/8"	2½ x 2½ x ¼"	1"	3½ x 3½ x 3/8"
¾"	3 x 3 x 5/16"	MALLEABLE IRON WASHERS MAY BE USED IN LIEU OF SQUARE STEEL PLATE WASHERS.	

PLYWOOD SHEATHING

WHERE NOTED, ROOFS, INTERIOR PARTITIONS AND SUB-FLOORS SHALL BE SHEATHED WITH DOUGLAS FIR PLYWOOD, CONFORMING TO THE REQUIREMENTS OF EXTERIOR TYPE SHEATHING, STRUCT. I, C-C OR BETTER.

ALL PLYWOOD SHEATHING USED STRUCTURALLY SHALL EXTEND CONTINUOUSLY BEHIND ALL FINISH. WHEN IT IS TO BE PLASTERED, IT SHALL BE PROTECTED BY AN UNBROKEN LAYER OF MOISTURE-TIGHT PAPER UNDER LATHING.

IN GENERAL, PLYWOOD SHEETS SHALL BE 4'-0" x 8'-0". THEY MAY BE LAID EITHER HORIZONTALLY OR VERTICALLY AT WALLS. ROOF SHEETS SHALL BE LAID WITH FACE PLIES ACROSS JOISTS AND WITH END JOINTS STAGGERED 4'-0". ALL PLYWOOD JOINTS SHALL BE ACCURATELY CENTERED ON BLOCKING. BLOCKING BETWEEN STUDS SHALL BE 3 x SAME DEPTH AS STUD. BLOCKING BETWEEN JOISTS SHALL BE 2x3 MIN. FLAT BLOCKING.

NAILING: ALL NAILS SHALL BE COMMON WIRE NAILS. WHERE NAILS TEND TO SPLIT WOOD, NAIL HOLES SHALL BE SUB-DRILLED.

SCHEDULE OF MINIMUM PERMISSIBLE CONNECTION

DETAILS		FASTENING
STUDS TO BEARING	2 x 6 AND SMALLER	2-10d TOENAILS EA SIDE (3-10d TOENAILS EA SIDE TOP & BOTTOM AT EXTERIOR WALLS WHEN HEIGHT OF 2x6 @ 16 EXCEEDS 13'-4")
	2 x 8 AND SMALLER	3-10d TOENAILS EA SIDE (3-16d T.N. EA SIDE TOP & BOTTOM AT EXTERIOR WALLS WHEN 2x8 @ 16 EXCEEDS 20'-0". USE 2x8 @ 16" STUDS WHEN STUD HEIGHT EXCEEDS 20'-0")
	3 x 4 AND LARGER	2-10d TOENAILS EA FACE
SOLE PLATES (ON SHEATHING)	PERPENDICULAR TO JOISTS	2-30d EACH JOIST
	PARALLEL TO JOISTS	30d @ 8" O.C. STAGGERED
DOUBLE 2" TOP PLATES (USE 30d FOR 3" PLATES)	LOWER PLATES TO STUD	2-20d FOR 2 x6 STUD OR SMALLER, 3-20d FOR 2x8 STUD
	UPPER TO LOWER, STAGGERED	16d@ 12" O.C. (MIN. LAP 4'-0" WITH 16-16d EA LAP) SEE PLAN FOR SPECIAL CONDITION
	LAP AT INTERSECTIONS	3-16d
JOISTS OR RAFTERS	TO BEARINGS	2-10d TOENAILS EA SIDE
	TO SIDE OR EDGE OF STUD	3-16d FOR 8" DEPTH JOIST OR LESS (AND 1-16d FOR EA ADDITIONAL 4" IN DEPTH OF JOIST.)
	TO PARALLELING MEMBERS (PLATES, ETC) AT LAPS (12" MINIMUM)	16d @ 12" O.C. 4-16d
BLOCKING	TO JOISTS OR RAFTERS	2-10d TOENAILS EA SIDE EA END
	TO BEARINGS	2-10d TOENAILS EA SIDE
HERRINGBONE BRIDGING	TO STUDS	2-10d
CROSSBRIDGING	TO JOISTS OR RAFTERS	2-8d
MULTIPLE STUDS	EACH LAYER	16d @ 8" O.C.
BUILT-UP BEAMS & MULTIPLE JOISTS	EACH LAYER	16d @8" O.C. BEAMS LESS THAN 10" IN DEPTH ONLY. (½"ø BOLTS @ 24" O.C. BEAMS 10" OR GREATER IN DEPTH)
DOUBLE JOIST UNDER PARTITION	WHERE NOT BLOCKED APART	16d @ 8" O.C.
	WHERE BLOCKED APART	3-16d EA BLOCK EA SIDE (BLOCKS 2 x @ 24" O.C.)
SHEATHING PLYWOOD	AT ALL EDGES OF SHEET AT REDWOOD SILLS	3/8" & ½" PW: 8d @ 4" O.C. UNLESS OTHERWISE NOTED. See roof plan sheet S3 for special nailing
	AT ALL OTHER CONTACTS	8d @ 12" O.C. UNLESS OTHERWISE NOTED At 2 walls
CEILING STRIPPING	1 x NOMINAL & 1 x NET	2-8d 1 STRAIGHT, 1 SLANT AND SUB-BORED AT JOINT.
	1½" x NET	2-10d 1 STRAIGHT, 1 SLANT AND SUB-BORED AT JOINT.
	2 x NOMINAL	2-16d 1 STRAIGHT, 1 SLANT AND SUB-BORED AT JOINT.

CEILING STRIPPING AT PLASTERED CEILINGS OR CEILINGS WITH GYPSUM BOARD SHALL HAVE IN ADDITION TO NAILING, 16 GA. GALVANIZED ANNEALED WIRE TIGHTLY SADDLE LOOPED AROUND EACH STRIP AT 48" O.C. STAGGERED AND SECURELY FASTENED TO THE CEILING JOIST WITH 1-16d THRU. NAIL OR 1-1 3/4" BARBED ROOFING NAILS. AT THE CONTRACTOR'S OPTION, THE WIRES MAY BE OMITTED IF THE STRIPPING IS NAILED WITH "STRONGHOLD" COMMON NAILS (SAME SIZE AND NUMBER AS COMMON WIRE NAILS LISTED ABOVE.)

3" MATERIAL (AND 2" MATERIAL ON FACE OF SHEATHING) SHALL BE NAILED WITH 30d NAILS INSTEAD OF THE 16d NOTED IN THE SCHEDULE.

NAILING NOT NOTED ABOVE OR ON DETAILS SHALL BE AT LEAST 2 NAILS AT ALL CONTACT POINTS, USING 8d THROUGH 1" MATERIAL AND 16d THROUGH 2" MATERIAL, WHERE MEMBERS ARE PARALLEL USE 8d @ 12" O.C. FOR 1" MATERIAL & 16d @ 12" O.C. FOR 2" MATERIAL.

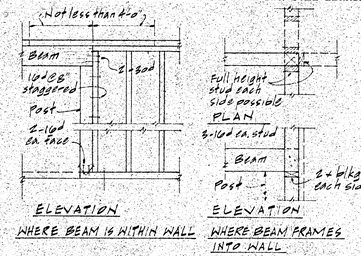
ALL WOOD WINDOWS AND DOOR FRAMES SHALL BE SECURED IN PLACE. BLOCK OUT SOLIDLY BETWEEN JAMBS AND CRIPPLES OR MULLIONS. ONE NEAR TOP AND BOTTOM AND NOT OVER 24" O.C. BETWEEN. NAIL TO EACH BLOCK WITH 2-16d CASING NAILS SET ⅛".

STRUCTURAL STEEL

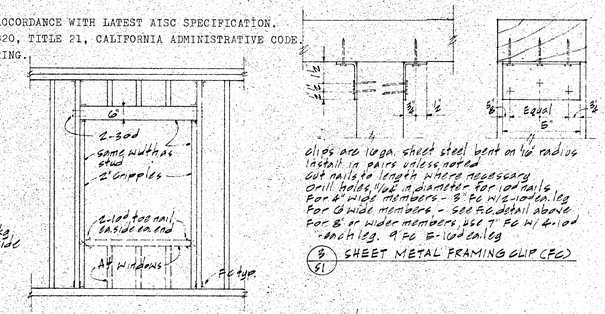
ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH LATEST AISC SPECIFICATION.

ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH SECTION 820, TITLE 21, CALIFORNIA ADMINISTRATIVE CODE.

ALL TUBULAR COLUMNS SHALL BE MILLED AT BASE FOR FULL BEARING.



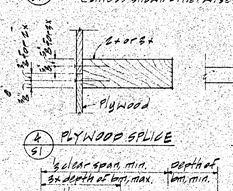
1/S1 POST & BEAM CONNECTIONS (unless shown otherwise)



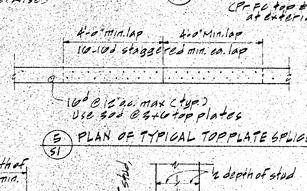
2/S1 TYPICAL FRAMING AT DOORS & WINDOWS (unless shown otherwise) (FC Plf top & bottom at each side at exterior wall)

Clips are 16 ga. sheet steel bent on 1/8" radius install in pairs unless noted cut nails to length where necessary drill holes 1/16" diameter for 10d nails For 4" wide members - 3" FC w/8-10d ea. leg For 6" wide members - see FC detail above For 8" or wider members use 1" FC w/ 4-10d each leg. 9" FC 5-10d ea leg

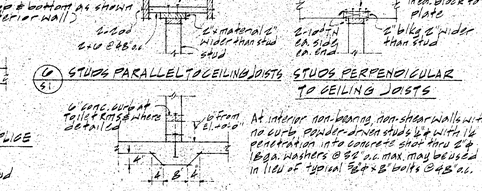
3/S1 SHEET METAL FRAMING CLIP (FC)



4/S1 PLYWOOD SPLICE

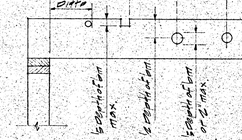


5/S1 PLAN OF TYPICAL TOP PLATE SPLICE



6" conc. curb at toilet rms & where detailed

At interior non-bearing, non-shear walls with no curb, powder-driven studs 1½" with 1¢ penetration into concrete slab thru 2"x3" ledger washers @ 32" o.c. max may be used in lieu of typical 5/8"ø bolts @ 48" o.c.

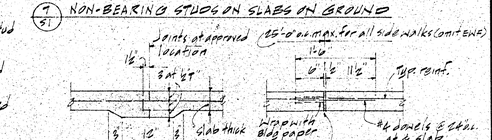


No holes or notches permitted in bottom of beam or joist. No holes or notches permitted where depth of beam is 8" or less

6/S1 HOLES & NOTCHES IN BEAMS & JOISTS



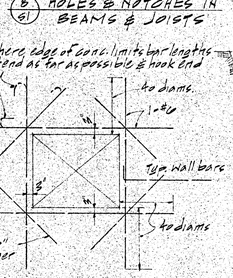
9/S1 HOLES IN STUDS



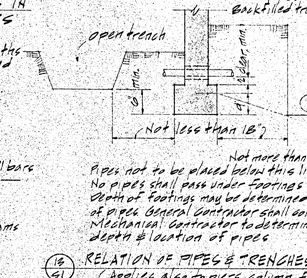
7/S1 NON-BEARING STUDS ON SLABS ON GROUND

10/S1 CONSTRUCTION JOINT (CJ) SLAB ON GRADE

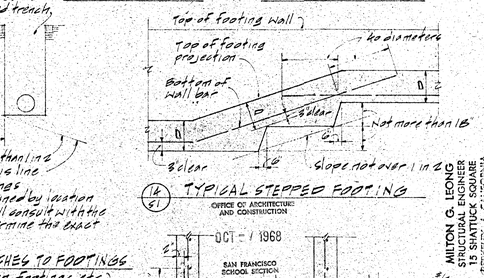
11/S1 EXPANSION JOINT (EJ) SLAB ON GRADE



12/S1 TYPICAL STEEL AROUND OPENINGS

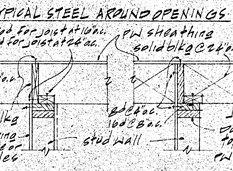


15/S1 RELATION OF PIPES & TRENCHES TO FOOTINGS (Applies also to piers, column footings, etc.)

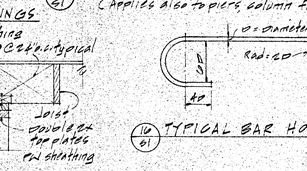


12/S1 TYPICAL STEPPED FOOTING

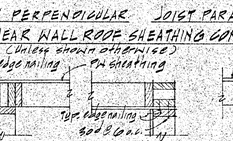
17/S1 TYPICAL REINF. AT WALL & FOOTING CORNERS



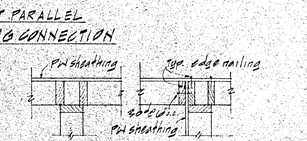
13/S1 SHEAR WALL ROOF SHEATHING CONNECTION (Unless shown otherwise)



16/S1 TYPICAL BAR HOOKS



18/S1 FRAMING AT INTERIOR STUD WALL CORNERS



19/S1 INTERSECTING EXTERIOR STUD WALL FRAMING



JOIST OR BEAMS SIZE	DIMEN. H	DIMEN. W	COMMON NAILS X	COMMON NAILS Y
2x4	3½		2-8d	2-8d
2x6 & 2x8	5½		2-10d	3-8d
2x10 & 2x12	9¼		3-10d	4-8d
2x14 & 3x10	10½		4-10d	4-8d
3x4	3		2-8d	2-8d
3x6 & 4x4	5		3-10d	3-8d
3x8 & 4x6	7		4-10d	4-8d
3x10 & 4x8	9		5-10d	4-8d
3x12 & 4x10	11		6-10d	4-8d
3x14 & 4x12	13		8-10d	4-8d
4x4	3½		2-10d	2-8d
4x6 & 6x6	5		3-10d	3-8d
4x8 & 6x8	7		4-10d	4-8d
4x10 & 6x10	9		5-10d	4-8d
4x12 & 6x12	11		6-10d	4-8d
4x14 & 6x14	13		8-10d	4-8d
2-2x4	3½		2-10d	2-8d
2-2x6 & 2-3x6	5½		3-10d	3-8d
2-2x8, 2-3x8 & 2-4x6	7¼		4-10d	4-8d
2-2x10, 2-3x10 & 2-4x8	9¼		5-10d	4-8d

20/S1 JOIST HANGER (JH) SCHEDULE & NAILING

HOWARD E. WESTFALL
ARCHITECTS A.I.A.
1136 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 • TELEPHONE 415 • 939-5065

MILTON G. LEONG
STRUCTURAL ENGINEER
15 SHATTUCK SQUARE
BERKELEY, CALIFORNIA

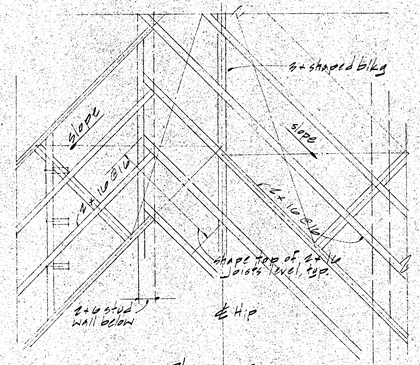
ADDITION TO ELEMENTARY SCHOOL
MT. DIABLO ELEMENTARY SCHOOL DISTRICT
NR. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

GENERAL NOTES & TYPICAL DETAILS

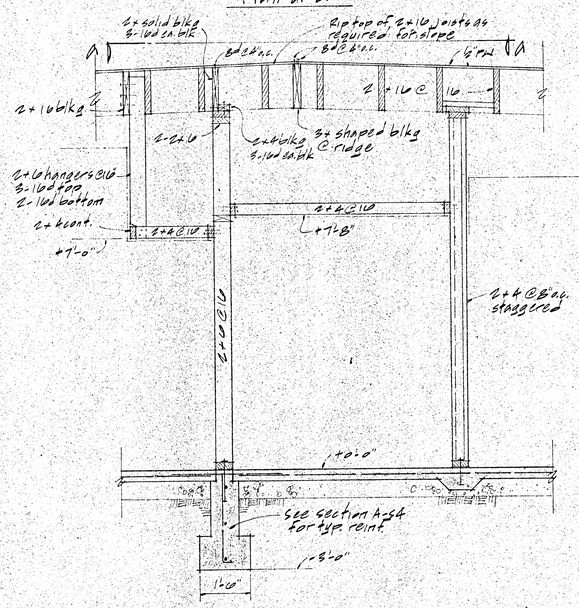
SHEET
S 1
OF 20 SHEETS

JOB NO. W-01-68

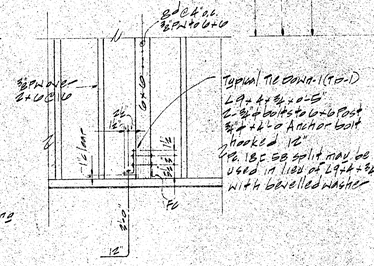
DATE: 8-28-68	REVISED
DR. BY:	
CH. BY:	



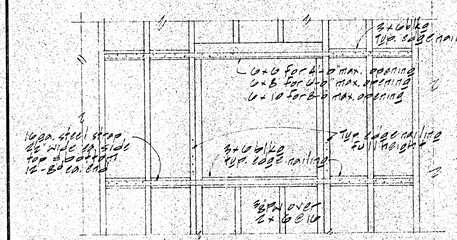
PLAN A-A



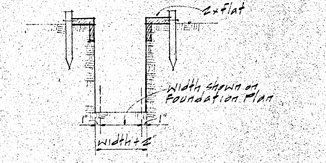
SECTION A-55



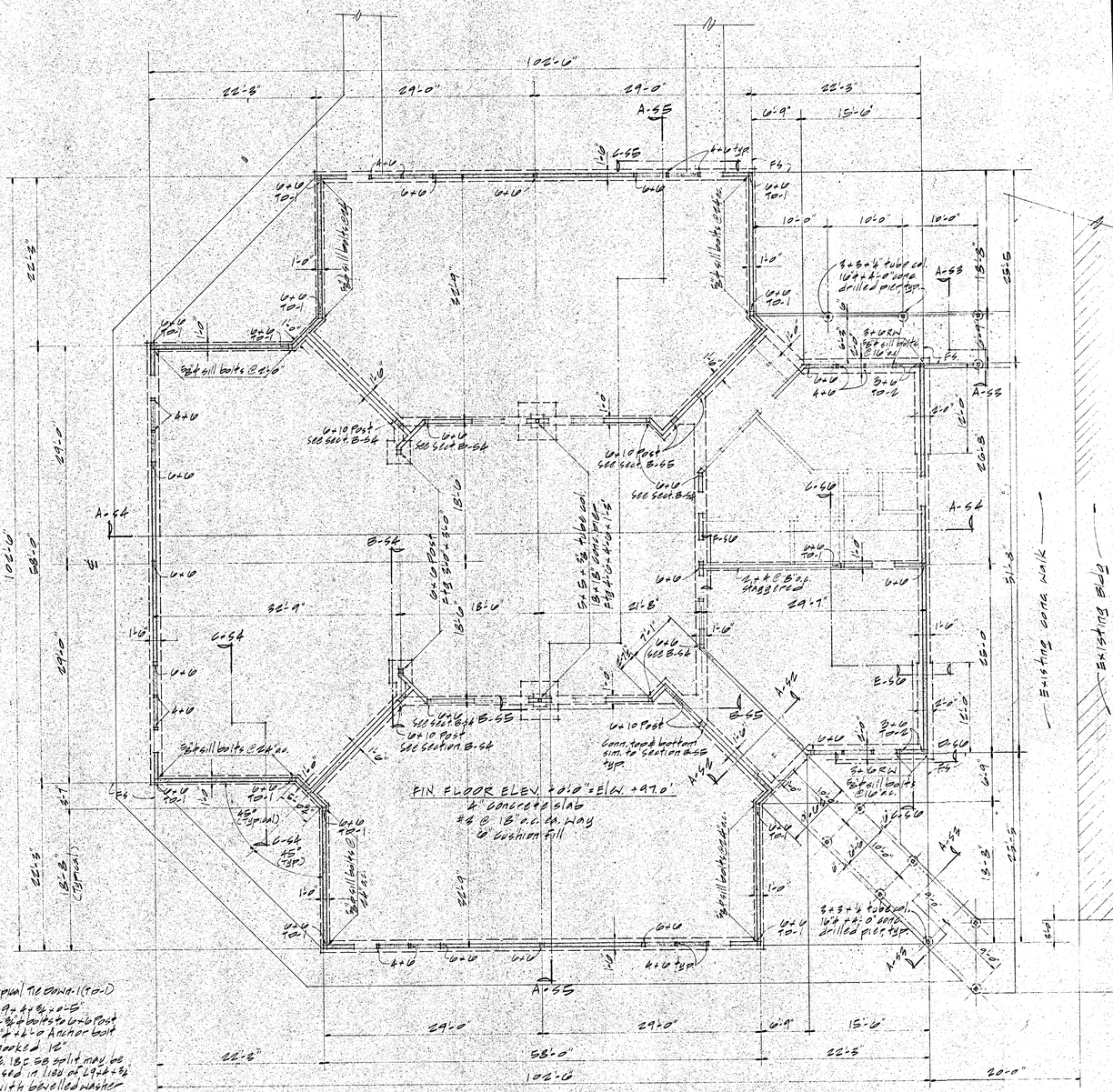
TYPICAL TIEDOWN-1 DETAIL



TYPICAL MECH. & ELECT. PANEL OPENING IN SHEAR WALL



TRENCHED FOOTING DETAIL
(in Engineered fill only)



FOUNDATION AND FLOOR FRAMING PLAN

1/8"=1'-0"

Notes:

1. See General Notes sht. S1 for typical structural details not shown herein.
2. See Arch't., Mech. & Elect. drawings for pertinent information not shown herein. Verify all items with respective trades prior to pouring concrete footings.
3. All dimensions are to face or ℄ of studs as shown or noted. F.S. indicates face of studs.
4. All studs are 2x6 @ 16 unless noted otherwise.
5. +0'-0" = Elev. +97.0'
6. See Structural sections for relation of conc. to stud face.
7. Elevation of bottom of footings shall be at -8'-0" at shall be at least 2'-0" below adjacent finished grade unless shown otherwise.
8. ——— indicates 6" concrete curb unless noted otherwise
9. See Arch't Dwg A-1 for conc. walks.
10. TD-1 See detail this sht. TD-2 See section D-56

NORTH

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

ADDITION NO. 5 TO
MT. DIABLO ELEMENTARY SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FOUNDATION & FLOOR FRAMING & PLAN SECTIONS

STATE OF CALIFORNIA
DEPARTMENT OF EDUCATION
APPROVED
81 881
JAN 2 1969
APPROVED UNDER THE RULES AND REGULATIONS PRESCRIBED BY THE STATE BOARD OF EDUCATION
R. Burton Jr.
ASSISTANT EXECUTIVE OFFICER

HOWARD E. WESTFALL
ARCHITECT A.I.A.
& ASSOCIATES
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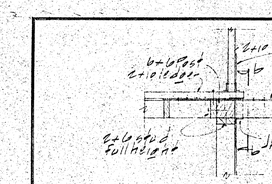
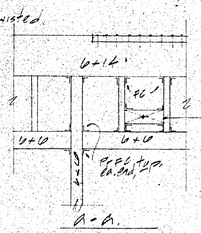
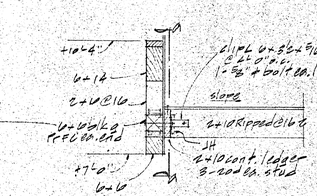
SHEET
S 2
OF 20 SHEETS
JOB NO. W-01-68
DATE: 8-28-68 REVISED
DR. BY:
CH. BY:

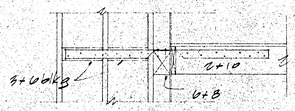
MILTON G. LEONG
STRUCTURAL ENGINEER
15 SHATTUCK SQUARE
BERKELEY 4, CALIFORNIA



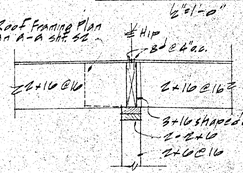
DETAIL ©
6"=1'-0"





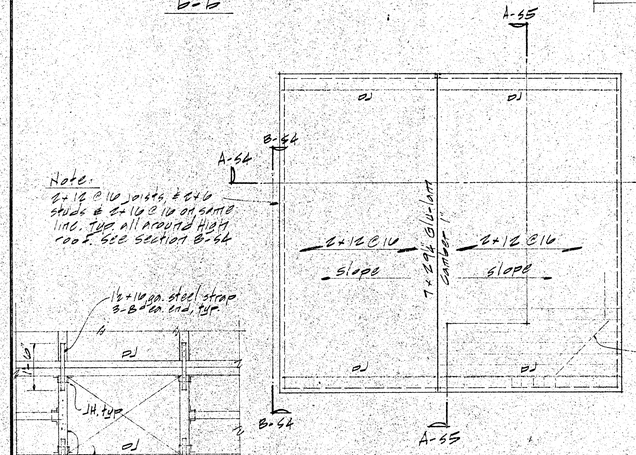


b-b



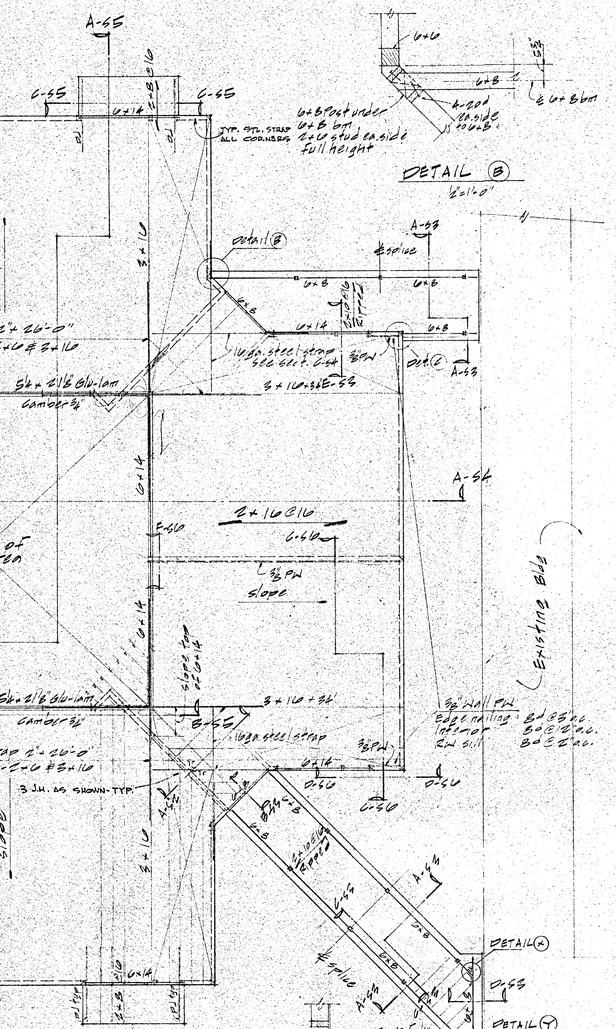
SECTION E-S3
6"=1'-0"

SECTION F-S3
6"=1'-0"



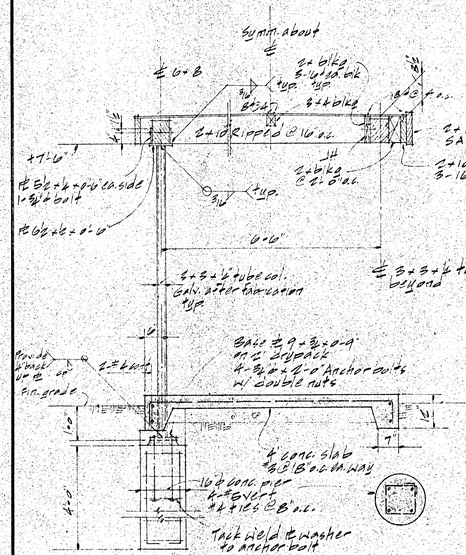
HIGH ROOF FRAMING PLAN
6"=1'-0"
See Main Roof framing plan for notes

TYPICAL FRAMING AT ALL OPENING IN ROOF
(Unless shown otherwise)

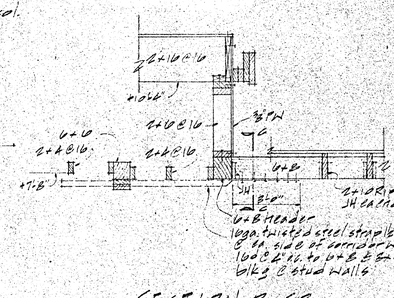


MAIN ROOF FRAMING PLAN
6"=1'-0"

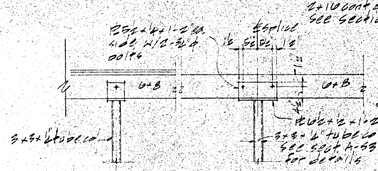
Notes:
1. See General Notes sht. S1 for typical structural details not shown herein.
2. See Arch't, Mech & Elect. drwgs for pertinent information not shown herein. Verify all items with respective trades prior to framing.
3. See Foundation & Floor framing plan for dimensions.
4. All exterior walls shall be sheathed with ½ PW.
5. Interior walls shall be sheathed ⅜ PW as indicated.
6. All roof areas shall be sheathed ½ PW. See sht. S1 for typical nailing, blocking, & plywood splice patterns.
7. Double roof joists around all openings in roof. See Arch't & Mech. drawings for exact locations.



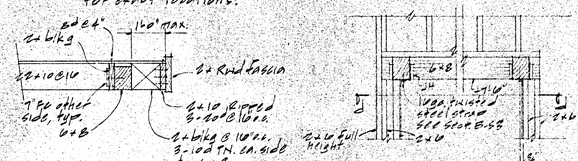
SECTION A-S5
6"=1'-0"



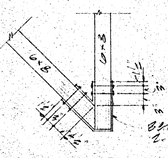
SECTION B-S5
2"=1'-0"



SECTION C-S5
6"=1'-0"



SECTION D-S5
6"=1'-0"



DETAIL Ⓨ

NORTH

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

ADDITION No 5 TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY CALIFORNIA
ROOF FRAMING PLAN

STATE OF CALIFORNIA
DEPARTMENT OF EDUCATION
DIVISION OF ARCHITECTURE
APPROVED
31861
OCT 1 1968
R. J. Hamilton
Deputy

HOWARD E. WESTFALL
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SHEET
S 3
OF 20 SHEETS
JOB NO. W-21-68
DATE: 6-28-68 | REVISED
DR. BY:
CH. BY:

MILTON G. LEONG
STRUCTURAL ENGINEER
15 SHATTUCK SQUARE
BERKELEY 4, CALIFORNIA

SECTION B-54
3/4"=1'-0"

PLAN b-b
3/4"=1'-0"

SECTION C-54
3/4"=1'-0"

DETAIL C-54
3"=1'-0"

SECTION A-54
1"=1'-0"

PLAN c-c

d-d

Note:
2+6 studs above 2+10 @16 & 2+12 @16 joists on same line typ. all around High roof.

7+32½ Glu-lam

7+32½ Glu-lam shaped

7+22½ Glu-lam

5¼ + 21⅛ Glu-lam

5¼ + 16½ Glu-lam

Warped roof see Roof Framing plan

Bracket: Bent @ 3+6 2-½" bolts Brackets @ 12' o.c. ea. end for 1st 5 brackets then @ 30' o.c.

Typical Footing Reinf.
#6 top & bottom
#4 horiz. @ mid-height
#4 vert @ 18" o.c.

6" Cushion Fill

4" conc. slab #3 @ 18" o.c. ea. way

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

APPROVED OCT 2 1968
DSA
By RJ Baxter Jr.
31891

ADDITION NO 5 TO
MT. DIABLO ELEMENTARY SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY CALIFORNIA

STRUCTURAL SECTIONS

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MILTON G. LEONG
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BERKELEY 4, CALIFORNIA

SHEET
S 4
OF 20 SHEETS

JOB NO. W-01-68

DATE: 8-28-68	REVISED
DR. BY:	
CH. BY:	

SECTION B-55

SECTION C-55

SECTION A-55

ADDITION NO 5 TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY CALIFORNIA
STRUCTURAL SECTIONS

STATE OF CALIFORNIA
MILTON G. LEONG
No. 8189
REGISTERED PROFESSIONAL ENGINEER
DATE 10-31-68

HOWARD E. WESTFALL
ARCHITECT A.I.A.
& ASSOCIATES
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94595 · TELEPHONE 932-9595

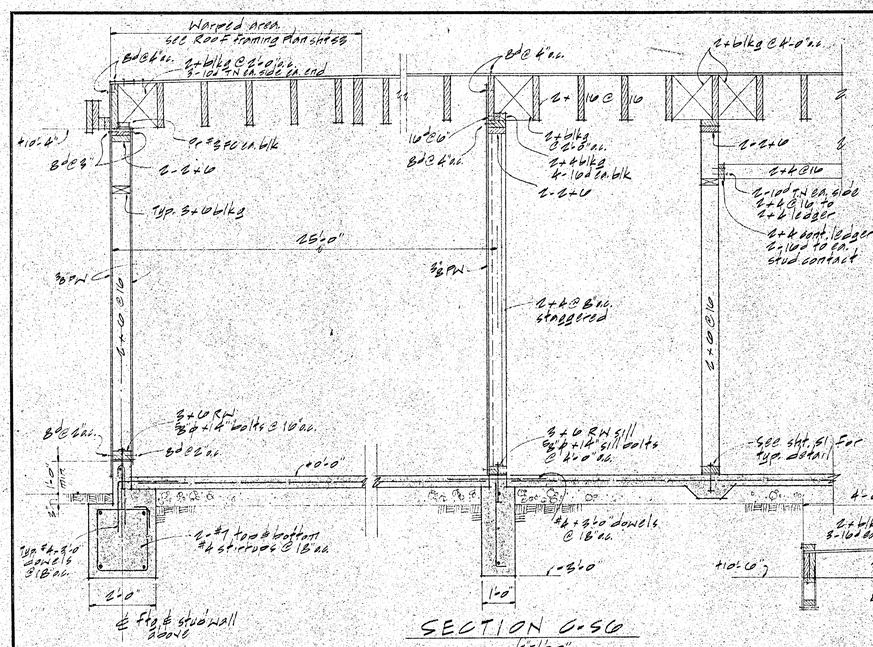
OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

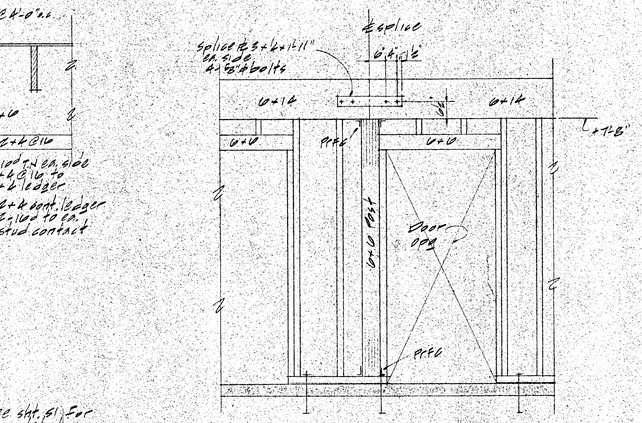
MILTON G. LEONG
STRUCTURAL ENGINEER
15 SHATTUCK SQUARE
BERKELEY 4, CALIFORNIA

SHEET
S 5
OF 20 SHEETS

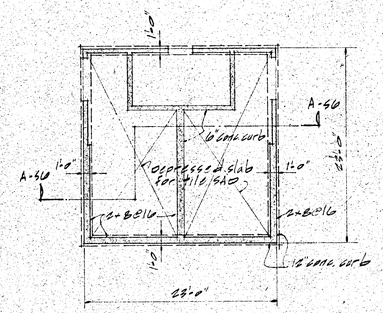
JOB NO. W-01-08

DATE: 6-28-68	REVISED
DR. BY:	
CH. BY:	

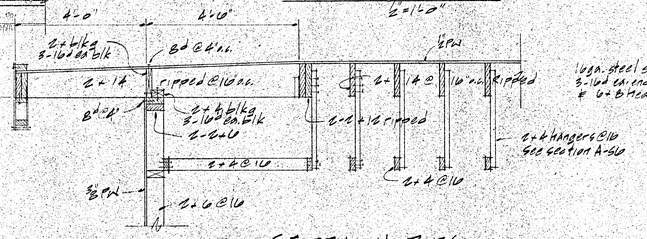




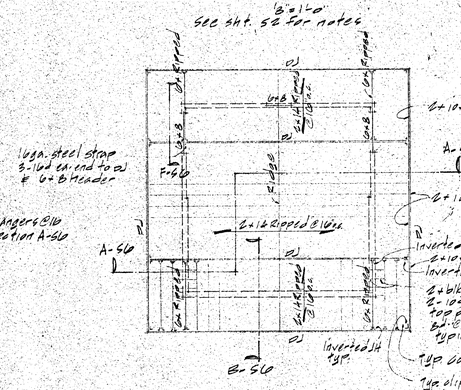
SECTION F-S6
1/2"=1'-0"



FOUNDATION & FLOOR FRAMING PLAN
3/8"=1'-0"

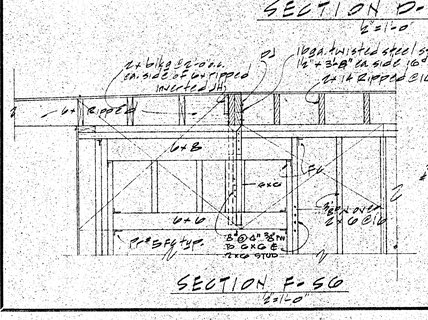


SECTION B-S6
1/2"=1'-0"

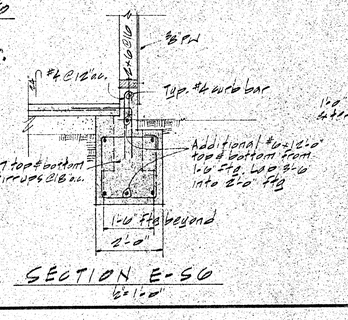


ROOF FRAMING PLAN
3/8"=1'-0"
see sht. 52 for notes

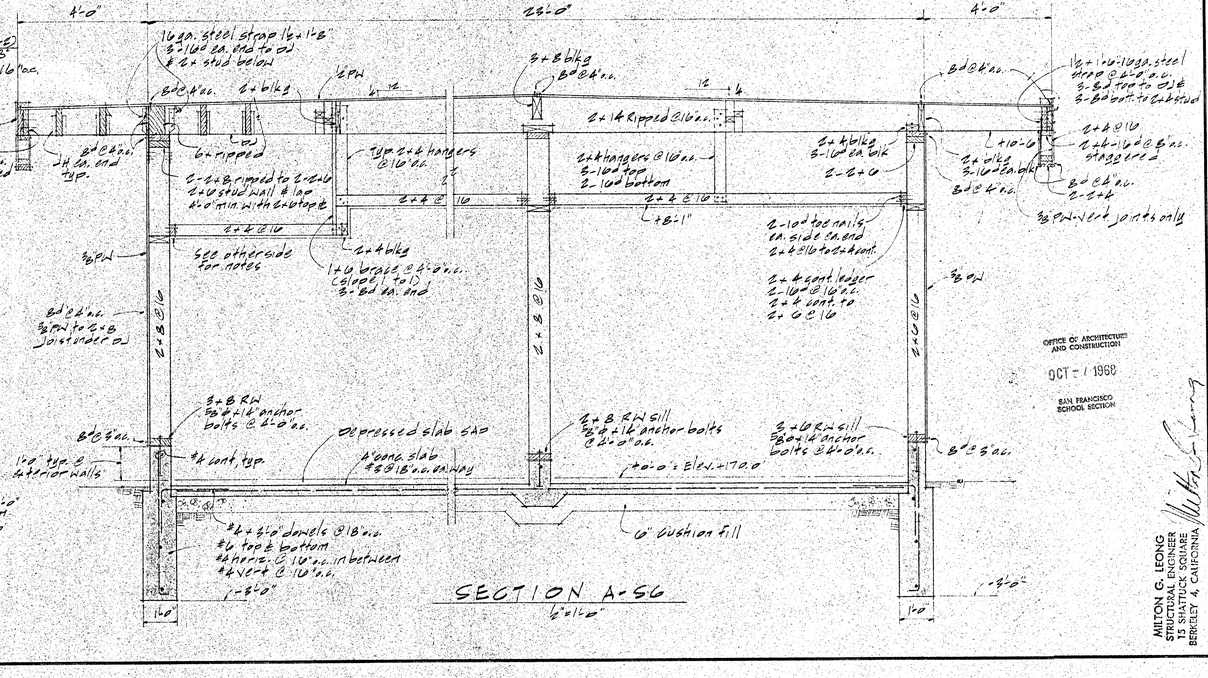
SECTION D-S6
1/2"=1'-0"



SECTION F-S6
1/2"=1'-0"



SECTION E-S6
1/2"=1'-0"



SECTION A-S6
1/2"=1'-0"

OFFICE OF ARCHITECTS AND CONSTRUCTION
OCT - 7 1968
SAN FRANCISCO SCHOOL SECTION

ADDITION NO 5 TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY CALIFORNIA
YARD TOILET FRAMING PLANS-STRUCTURAL SECTIONS

STATE OF CALIFORNIA
DEPARTMENT OF EDUCATION
DIVISION OF ARCHITECTURE
APPROVED
31891 APR 2 1968
By R J Anderson Jr

HOWARD E. WESTFALL
ARCHITECTS A.I.A.
& ASSOCIATES
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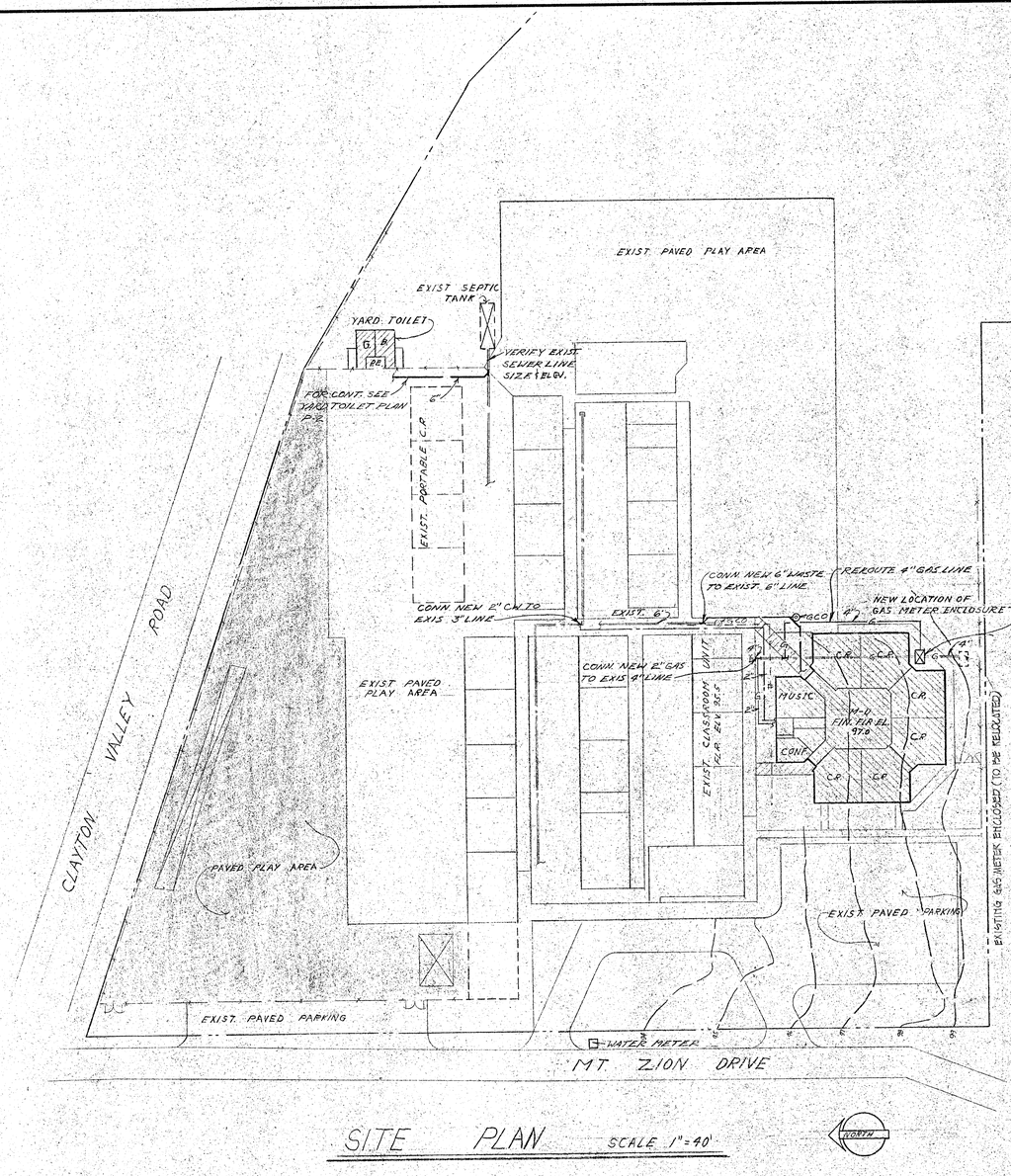
SHEET
S 6
OF 20 SHEETS
JOB NO. W-01-68
DATE: 8-28-68 | REVISED
DR. BY:
CH. BY:

MILTON G. LEONG
STRUCTURAL ENGINEER
15 SHATTUCK SQUARE
BERKELEY 4, CALIFORNIA

56



SITE PLAN SCALE 1"=40'

LEGEND

SYMBOL	ABBREV	DESCRIPTION
		EXISTING LINE (TYPE DESIGNATED)
	S	SANITARY SEWER OR WASTE
	C.W.	COLD WATER
	H.W.	HOT WATER
G	G	GAS
	V	VENT
	G.V.	GATE VALVE
	C.V.	CHECK VALVE
	G.C.O.	GRADE CLEANOUT
	F.C.O.	FLOOR CLEANOUT
	W.C.O	WALL CLEANOUT
	F.D	FLOOR DRAIN
	V.T.R.	VENT THRU ROOF
	H.B.	HOSE BIBB
	F.S.H.	FIRE SPRINKLER HEAD
	S.O.V.	SHUT OFF VALVE (IN CONCRETE BOX)
	S.O.V	SHUT OFF GAS VLV. (IN CONCRETE BOX)
	I.F.C.	IN FURRED CEILING
	O.S.&Y	OUTSIDE SCREW & YOKE

GENERAL NOTES

1. VERIFY ALL SITE CONDITIONS PRIOR TO EXCAVATION.
2. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR LOCATING EXISTING SERVICES AND MAKING SERVICEABLE CONNECTIONS TO SAME.
3. HOSE BIBBS SHALL BE 1'-6" UP UNLESS OTHERWISE STIPULATED BY THE ARCHITECT.
4. ALL UNDERGROUND PIPING SHALL BE RUN WITH A MINIMUM OF 12" COVER BELOW FINISH GRADE UNLESS OTHERWISE SHOWN OR APPROVED BY THE ARCHITECT.
5. CO-ORDINATE DETAIL LOCATION OF FIXTURES, VALVES, BOXES, ETC. W/ARCHITECTURAL & SITE DRAWING REQUIREMENTS.
6. CONTRACTORS SHALL CONSULT LOCAL UTILITY CO., WATER CO., & SEWAGE DISTRICT TO DETERMINE THE EXACT EXTENT OF THIS WORK HE SHALL EXTEND THE SERVICES TO THE LOCATION DESIGNATED BY THEM AND SHALL FURNISH ALL MATERIAL AND PAY ALL COSTS NOT FURNISHED OR PAID BY THEM.

FIXTURE LIST & CONNECTION SCHEDULE

FIXTURE NUMBERS LISTED ARE AMERICAN STANDARD AND ARE FOR ILLUSTRATIVE PURPOSES ONLY. CRANE OR KOHLER SAME PATTERN AND MAINTAINABILITY ARE ACCEPTABLE. ALL CHINA SHALL BE OF QUALITY KNOWN AS "VITREOUS CHINA". ALL TRIM AND EXPOSED METAL ITEMS SHALL BE CHROME PLATED. STOPS: SPEEDWAY OR EQUAL, CARRIERS JAY R. SMITH, JOSAM, WADE, OR EQUAL. TRAPS: AMERICAN STANDARD OR EQUAL.

MARK	DESCRIPTION	WASTE	TRAP	VENT	C.W.	H.W.	
P-1	WATER CLOSET	4"	—	2"	1½"	—	"NEW MADERA" F-2222, SIPHON JET ACTION, FLUSH VALVE SLOAN ROYAL #111-1.6 Y.O., CHURCH SEAT #9500
P-2	URINAL	2"	—	2"	1"	—	#6500 "WASHBROOK" FLUSH VALVE 186 MYSTOP, TIMER ELJO INSTALL AS SHOWN IN SLOAN DRWG. CARRIER SMITH 600
P-3	LAVATORY	2"	1¼"x1½"	1½"	½"	—	#350 LUCERNE, 20"x18" W/CONCEALED ARM CARRIER #700 & SOAP DISPENSER, FAUCET CHICAGO #333 SELF CLOSING, TRAP R-7000-AB, STRAINER R-2552, STOP #557-R1/4 A-RT HAND WALL
P-4	SINK (N.I.C.)	2"	1½"x1½"	1½"	½"	—	ROUGH-IN, INSTALL & CONN SINK, FURNISH #R-7000 -55 TRAP, #557 R-3720 A STOPS, STRAINER #R-4510
P-5	SINK	2"	1½"x1½"	1½"	½"	—	P-7013 "CUSTOM" 30"x21", 1 HOLE PUNCH, FAUCET CHICAGO #350 STRAINER #1941-10, STOPS #557-R-3720 A, TRAP #R-7000-55 M.F.S. MOUNTING RIM, SINK ENAMELED CAST IRON
P-6	DRINKING FOUNTAIN	2"	1½"x1½"	1½"	¾"		HALO MODEL #70C, 2 BUBBLER, ENAMELED IRON, TRAP #R-7000-AB, STOPS SPEEDWAY #7782, COLOR BY ARCH.

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

DRAINS & MISCELLANEOUS SCHEDULE

JAY R. SMITH, JOSAM WADE, OR EQUAL

MARK	DESCRIPTION	SIZE	TRAP	VENT	SPECIFICATIONS & REMARKS
FD-1	FLOOR DRAIN	2"	2"	2"	2010-A 5" ø NB STRAINER, CLAMPING RING, VANDAL PROOF
HB-1	HOSE BIBB	¾"			CHICAGO #387 ROUGH CHROME PLATED, LOOSE KEY, VANDAL PROOF
HB-2	HOSE BIBB	½"			CHICAGO #293 POLISHED CHROME PLATED, LOOSE KEY, VANDAL PROOF
FCO	FLOOR CLEANOUT				JAY R. SMITH #4020 NB STRAINER, CLAMPING RING, VANDAL PROOF, LINE SIZE, 4" MAX.
GCO	GRADE CLEANOUT				JAY R. SMITH #4020 C.I. GALVANIZED TOP, VANDAL PROOF, LINE SIZE 4" MAX

Clarence B. Brown, M.E.
WILLIAMSEN AND VOLLMER ENGINEERING, INC.
342 PARK STREET
RHEEM VALLEY, CALIF. 94570
(415) 376-5901

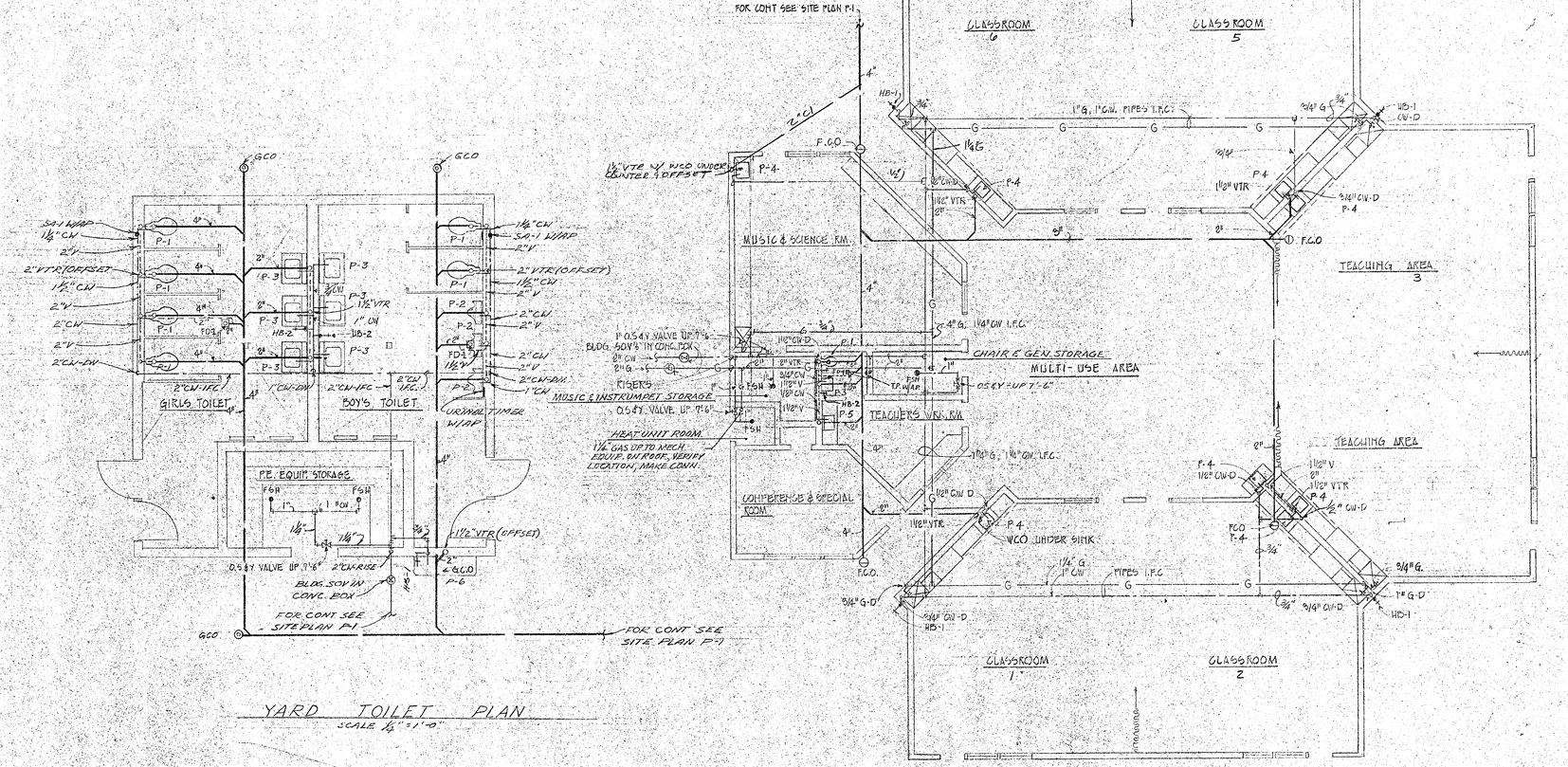
APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 9 1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF PUBLIC WORKS — DIVISION OF ARCHITECTURE
APPROVED
OCT - 2 1968
31 891
Ass't. Chief Engineer

ADDITION TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
PLUMBING - SITE PLAN, LEGEND, & SCHEDULES

HOWARD E. WESTFALL
A. I. A.
ARCHITECT & ASSOCIATES
3196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94523 · TELEPHONE 415 · 939-5065

SHEET
P-1
OF 12 SHEETS
JOB NO. W-01-68
DATE: 8-23-68 | REVISED
DR. BY:
CH. BY:



YARD TOILET PLAN
SCALE ½"=1'-0"

FLOOR PLAN CLASSROOM UNIT
SCALE: 1/8"=1'-0"

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE: OCT 9 1968
BY:

STATE OF CALIFORNIA
OFFICE OF ARCHITECTURE AND CONSTRUCTION
DIVISION OF ARCHITECTURE
OCT 2 1968
APPROVED
Ralph A. Iron Jr.

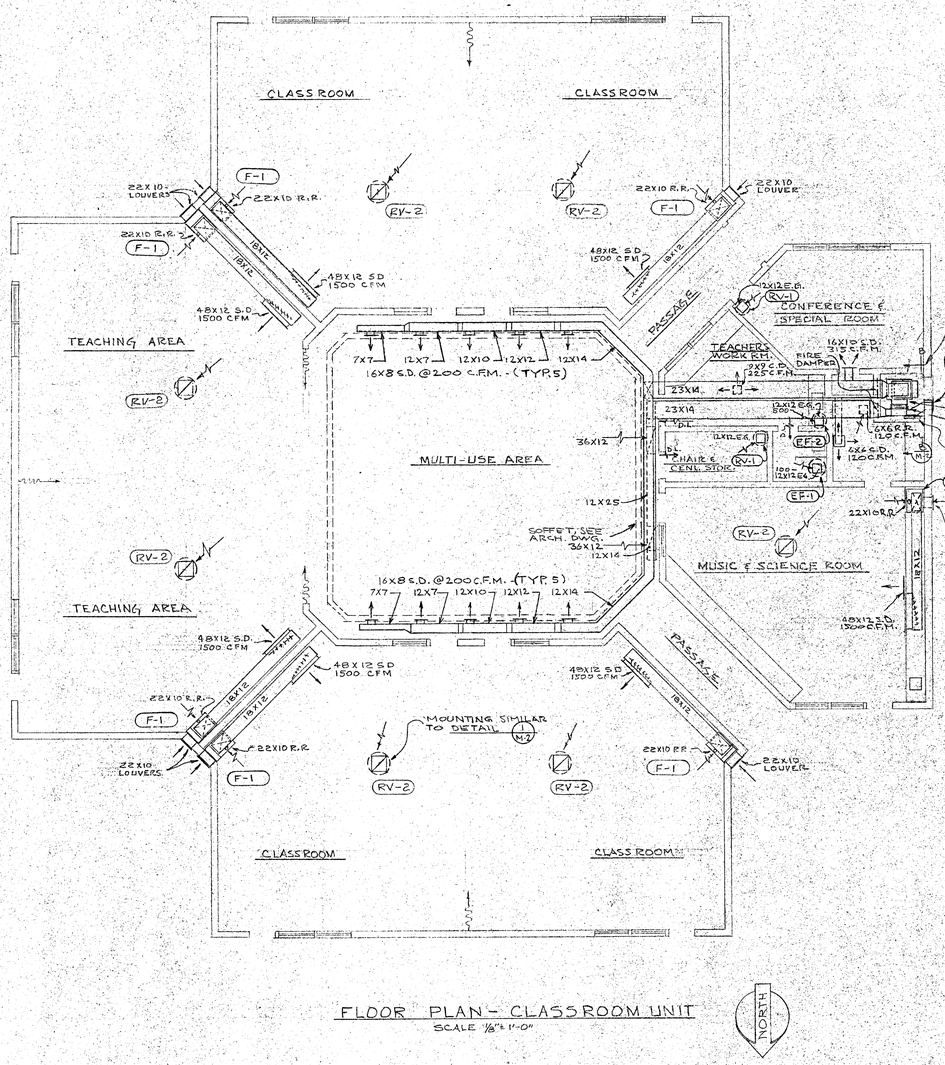
ADDITION NO TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
PLUMBING - FLOOR & YARD TOILET PLANS

HOWARD E. WESTFALL
ARCHITECTS & ASSOCIATES
A. I. A.
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 • TELEPHONE 415 • 939-5065

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

SHEET P-2
OF 20 SHEETS
JOB NO. W-01-68
DATE: 8-28-68 | REVISED
DR. BY:
CH. BY:

Clarence B. Peterson M.E.
WILLIAMSON AND VOELMER ENGINEERING INC.
362 PARK STREET
RHEEM VALLEY, CALIF. 94570
(415) 376-5021



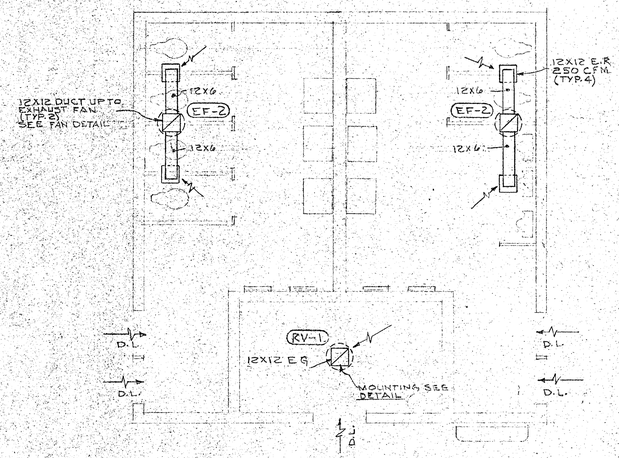
FLOOR PLAN - CLASSROOM UNIT
SCALE 1/8" = 1'-0"

GENERAL - NOTES

1. INSTALL ALL EQUIPMENT STRICTLY IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS
2. ALL MECHANICAL EQUIPMENT LOCATIONS INCLUDING PIPING, DUCT WORK, AIR OUTLETS, UNITS ETC., SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT IN LOCATIONS OR ELEVATIONS. VERIFY ALL DIMENSIONS IN FIELD BEFORE FABRICATION OR INSTALLATION.
3. ALL MECHANICAL EQUIPMENT WITH ELECTRICAL COMPONENTS SHALL SHALL INSTALLED IN ACCORDANCE WITH SECTION 2412(g), 2420(c); & 2470(c-8) OF THE ELECTRICAL SAFETY ORDER (TITLE 8 CCR) LATEST REVISIONS OF THE CALIFORNIA ADMINISTRATIVE CODE.
4. ALL 90° DUCT TURNS, EXCEPT RADIUS ELBOWS, SHALL HAVE TURNING VANES, AND ALL 90° SUPPLY TAKE OFFS SHALL BE PROVIDED WITH EXTRACTORS.
5. ALL DUCT SIZES SHOWN ARE NET FREE INSIDE AREA.

EQUIPMENT SCHEDULE

MARK	DESCRIPTION
F-1	FURNACE "HAYES", MODEL SEU № 1500-70, 70000 BTU/HR. INPUT, 56,000 BTU/HR OUTPUT, 1500 CFM @ 3/8" S.P., 1/2 H.P., 208V/3Ø FURNISH COMPLETE W/STANDARD CONTROLS, AUTOMATIC DAMPER CONTROL W/MIXING BASE, SET 25% MIN. F.A.
F-2	FURNACE "HAYES", MODEL SEB-VF, 140, 140,000 BTU/HR. INPUT, 112,000 BTU/HR. OUTPUT. MOUNT FURNACE ON ONE VF 140-12 BLOWER CABINET, 2650 CFM @ 3/4" S.P., 1 HP, 208V/3Ø, RETURN AIR SIDE INLET W/FLAT FILTER BOX
EF-1	EXHAUST FAN "CARNES" MODEL BE3-10, 100 CFM. @ 1/8" S.P. 1/8 HP 120V/1Ø, FURNISH COMPLETE W/BACK DRAFT DAMPER & BIRD SCREEN.
EF-2	EXHAUST FAN "CARNES" MODEL BE-3-12, 500 CFM @ 1/8" S.P., 1/8 HP 120V/1Ø FURNISH COMPLETE W/BACK DRAFT DAMPER & BIRD SCREEN
RV-1	RELIEF VENT "CARNES" MODEL RV7-12, NECK AREA 0.96 FT² FURNISH COMPLETE W/BACK DRAFT DAMPER & BIRD SCREEN
RV-2	RELIEF VENT "CARNES" MODEL RV7-22, NECK AREA 2.64 FT² FURNISH COMPLETE W/BACK DRAFT DAMPER & BIRD SCREEN



YARD TOILET
SCALE 1/4" = 1'-0"

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 8-1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURAL AND CONSTRUCTION
31891 APPROVED OCT - 2 1968
Per [illegible] STRUCTURAL ENGINEER

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 1 1968
SAN FRANCISCO SCHOOL SECTION

ADDITION № 2 TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
HEATING - FLOOR PLAN

HOWARD E. WESTFALL
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& ASSOCIATES
1195 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 • TELEPHONE 415 • 939-5005

SHEET
M-1
OF 20 SHEETS
JOB NO. W-01-68

DATE: 8-28-68	REVISED
DR. BY:	
CH. BY:	

Clarence B. Bowman M.E.
WILLIAMSON AND VOLLMER ENGINEERING, INC.
362 PARK STREET
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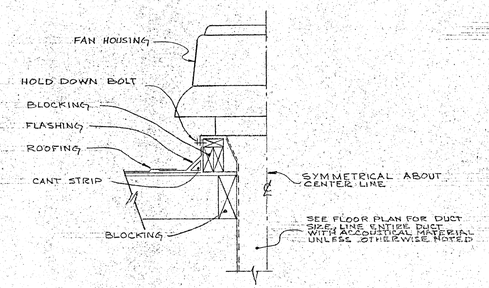
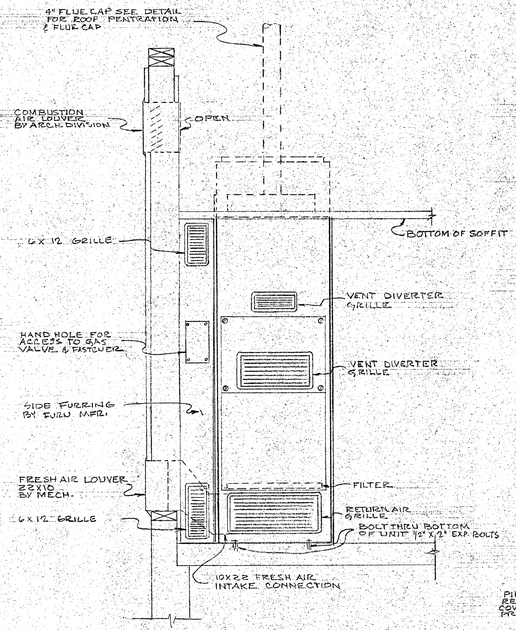
(415) 376-5701

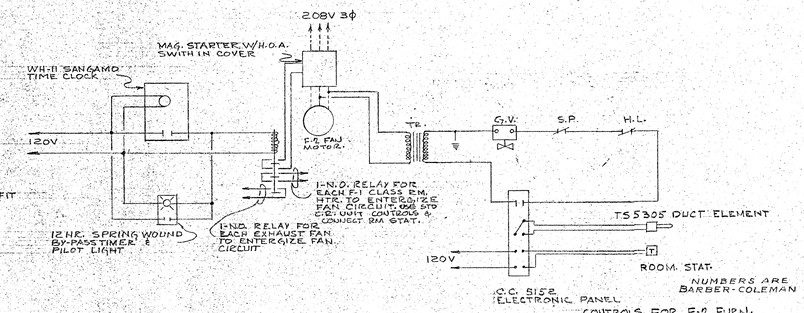


TYPICAL EXHAUST FAN MOUNTING DETAIL (1 / M-2)
NO SCALE.

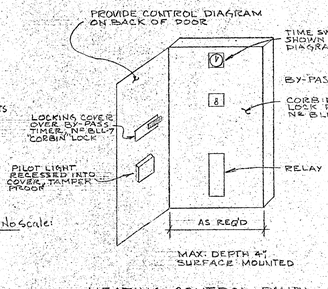
NOTE:
RELIEF VENT. MOUNTING SIMILAR.



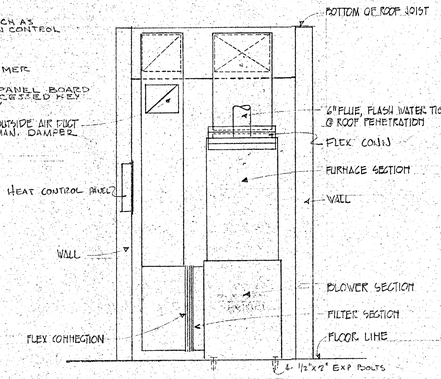
FURNACE MOUNTING DETAIL F-1 No Scale



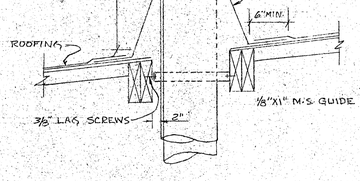
TYPICAL BUILDING CONTROL DIAGRAM
CONTROLS FOR F-2 FURN.



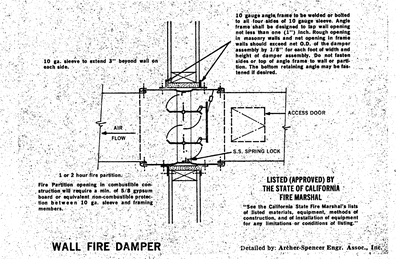
HEATING CONTROL PANEL



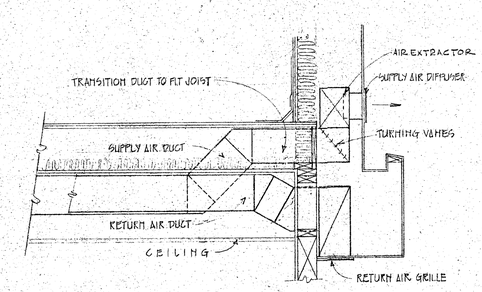
SECTION B-B F-2
SCALE: 1/8"=1'-0"



FLUE ROOF PENETRATION & FLUE CAP DETAIL (2 / M-2)
NO SCALE



WALL FIRE DAMPER DETAIL (3 / M-2)



SECTION A-A
SCALE: 1/8"=1'-0"

OFFICE OF ARCHITECTURE AND CONSTRUCTION
OCT - 7 1968
SAN FRANCISCO SCHOOL SECTION

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 8 1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURE AND CONSTRUCTION
31191 APR 2 1968
BY

ADDITION TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
HEATING - DETAILS

HOWARD E. WESTFALL
ARCHITECT A.I.A.
& ASSOCIATES
1195 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 · TELEPHONE 415 · 939-5065

SHEET
M-2
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DR. BY:
CH. BY:

Clarence B. Brennan Jr. E
WILLIAMSON AND VOLLMER ENGINEERING, INC.
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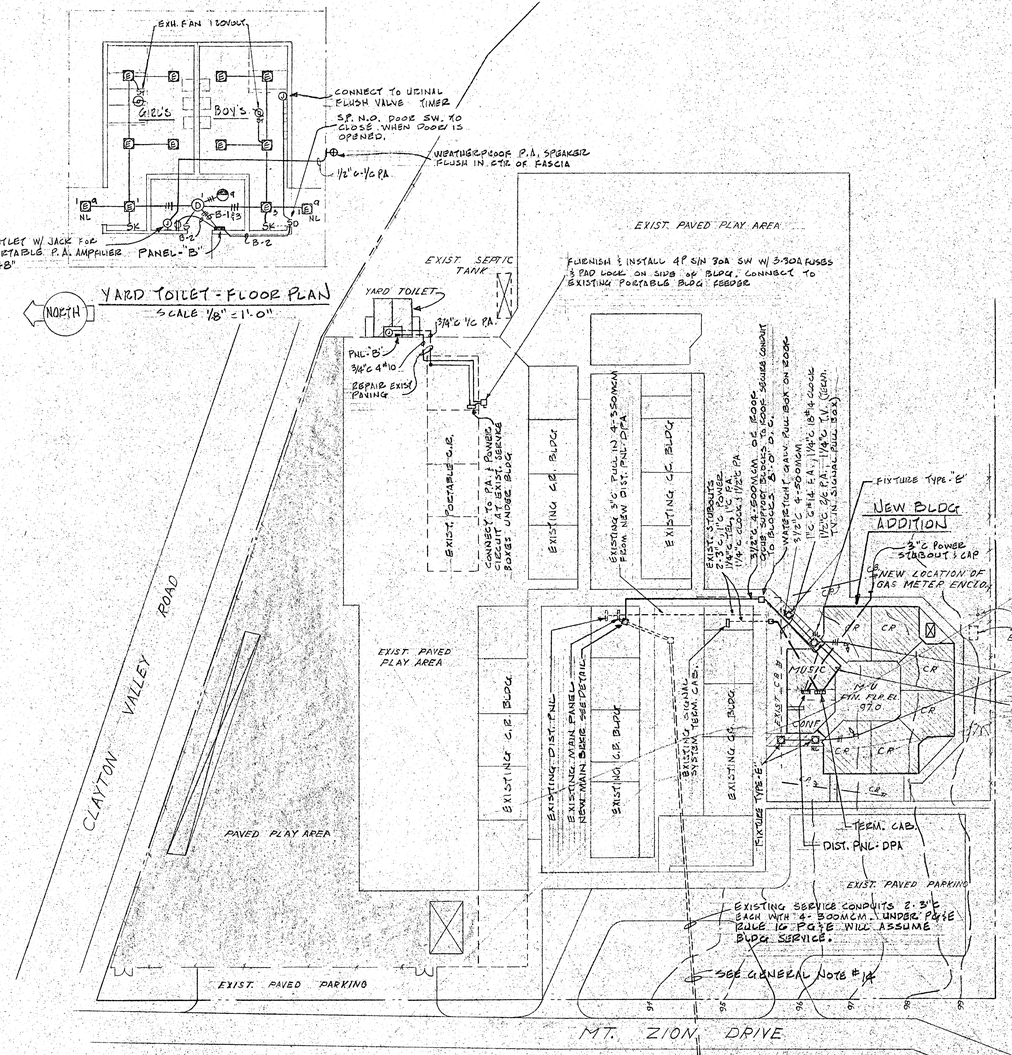
(415) 376-5901


EXH. FAN 1 SONOUT
GIRL'S
BOY'S
CONNECT TO URINAL FLUSH VALVE TIMER
S.P. N.O. DOOR SW. TO CLOSE WHEN DOOR IS OPENED.
WEATHERPROOF P.A. SPEAKER FLUSH IN CTR. OF FASCIA
1/2"C-1/C P.A.
OUTLET W/ JACK FOR PORTABLE P.A. AMPLIFIER +48"
PANEL "B"
B-1
B-2
YARD TOILET - FLOOR PLAN
SCALE 1/8" = 1'-0"
NORTH
EXIST. PAVED PLAY AREA
EXIST. SEPTIC TANK
FURNISH & INSTALL 4P S/N 30A SW W/ 3-30A FUSES & PAD LOCK ON SIDE OF BLDG. CONNECT TO EXISTING PORTABLE BLDG. FEEDER
YARD TOILET
3/4"C 1/C P.A.
PNL. "B"
3/4"C 4#10
REPAIR EXIST. PANNING
EXIST. PORTABLE C.B.
CONNECT TO P.A. PANEL IN EXIST. PORTABLE BLDG.
EXISTING C.B. BLDG.
EXISTING 3"C PULL-IN 4-500MCM FROM NEW DIST. PNL. DPA
EXIST. 3"C FROM EXIST. PNL. "A" 4-500MCM, 1-#2 GND. 1-#4 GND. 1-#8 GND. 1-#8 CONT. 1-#8 CONT. 1-#8 CONT

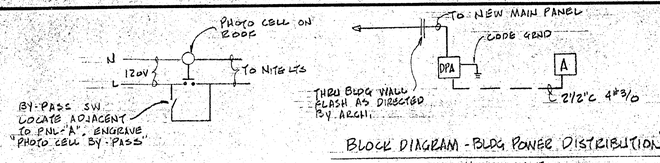
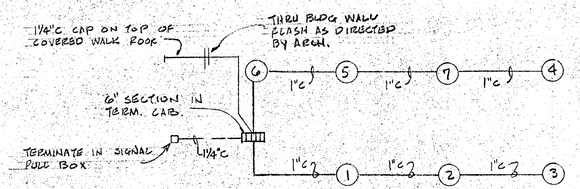


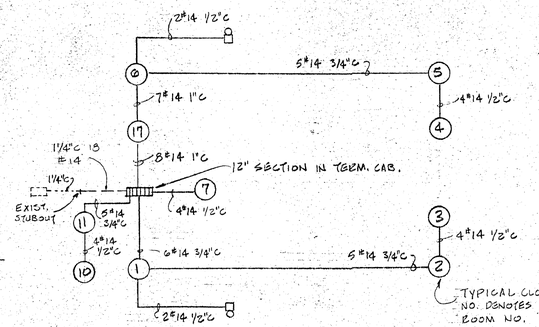
PHOTO-CELL DIAGRAM

BLOCK DIAGRAM - BLDG POWER DISTRIBUTION

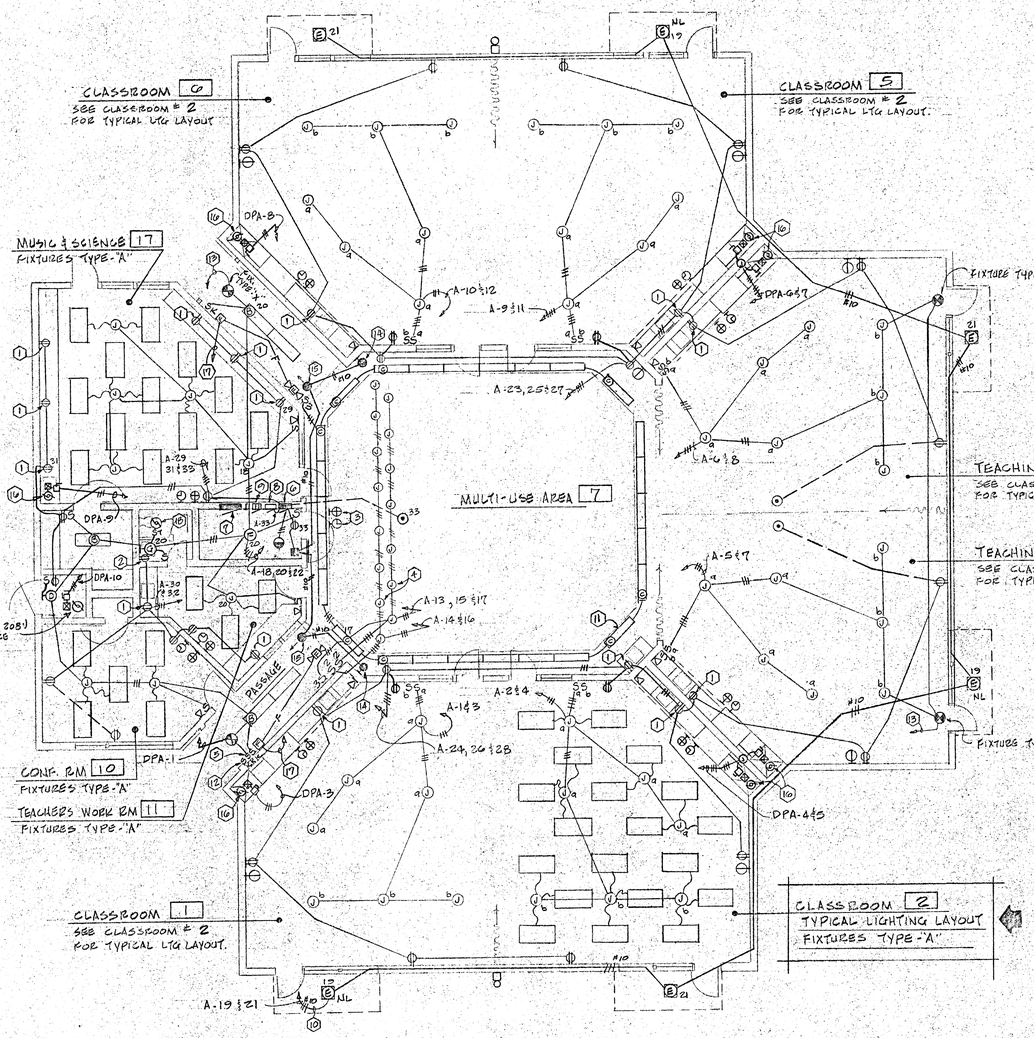
NO SCALE



BLOCK DIAGRAM T.V SYSTEM

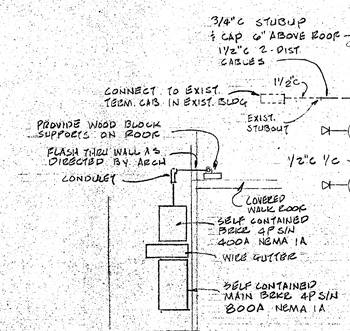


BLOCK DIAGRAM - CLOCK SYSTEM

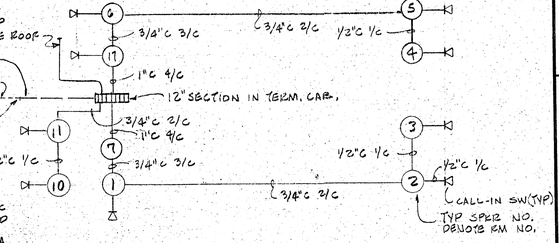


FLOOR PLAN . . . CLASSROOM UNIT — 1/8"=1'-0"

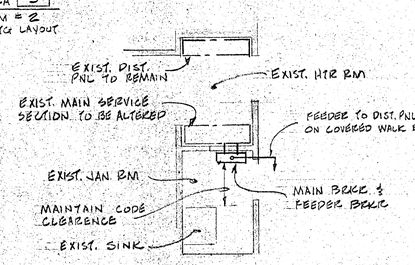
NORTH



ELEV. AT MAIN BRKR



BLOCK DIAGRAM - P.A. SYSTEM



FLOOR PLAN AT EXISTING MAIN PANEL

SCALE 1/4" = 1'-0"

PANELBOARD SCHEDULES

PANELS SHALL BE (W) TYPE NQB FOR 120/208V 3Φ 4W S/N OPERATION, W/ BREAKERS AS FOLLOWS:

CIRCUIT NO.	POLES	AMPS	VOLTS	REMARKS
PANEL-'A' FLUSH MTD 120/208V 3Φ 4W S/N				
A-1 to A-22	1	20	120	LIGHTING
A-23 to A-32	1	20	120	RECEPTS
A-33	1	20	120	HTG CONT. PNL.
A-34 to A42	1	20	120	SPARE

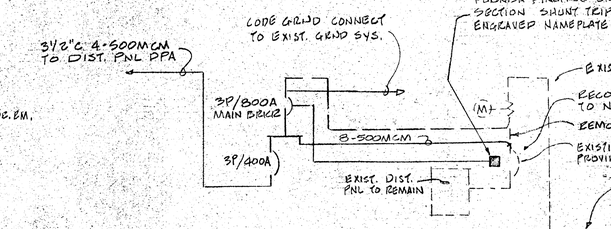
PANEL-'B' SURFACE MTD COLUMN TYPE 120/208V 3Φ 4W S/N				
B-1 & 3	1	20	120	LIGHTS
B-2	1	20	120	RECEPTS
B-4	1	20	120	SPARE
B-5	3	40	120/208	MAIN BRKR.

DIST. PNL. DPA (W) NDP 120/208V 3Φ4W S/N 400A FLUSH MTD				
DPA-1	1	20	120	EXIT LIGHTS
DPA-2	1	20	120	SPARE
DPA-3 TO 10	3	15	208	UNIT HEATERS
DPA-11	3	20	208	SPARE
DPA-13 TO 14	3	—	—	SPACE ONLY
DPA-15	3	225	—	SPACE ONLY
DPA-16	3	200	120/208	PANEL-'A'
DPA-17	3	400	120/208	MAIN NON-AUTO

OFFICE OF ARCHITECTURE AND CONSTRUCTION

OCT - 1 1968

SAN FRANCISCO SCHOOL SECTION



MAIN PANEL - ONE LINE DIAGRAM

NOTES (APPLY TO THIS SHEET ONLY)

1. MOUNT 6" ABOVE COUNTER OR CENTER IN BACK SPLASH WHERE SPLASH OCCURS. REFER TO ARCH. INT. ELEV. PRIOR TO ROUGH-IN.
2. +42"
3. CENTER IN FACE OF SOFFIT
4. INSTALL JUNCTION BOXES & BRANCH CIRCUIT WIRING IN CEILING CAVITY FOR CONNECTION TO LUMINOUS CLG LTS BY LUMINOUS CEILING INSTALLER.
5. ENGRAVE "EXIT LIGHTS"
6. PANELBOARD -'A' IN STORAGE ROOM
7. DIST. PNL. "DPA" IN STORAGE ROOM
8. HEATING CONTROL PANEL. SEE MECH. DWGS & SPEC'S. IN STOR. RM.
9. TERMINAL CABINET 36"W x 20"H x 4 1/2"D, MTD +48" TO TOP OF CABNT. WITH BARRIERED SECTIONS AS FOLLOWS: 12" P.A., 12" CLOCK, 6" FA, 6" T.V. IN STOR. RM.
10. WIRE NITE LIGHT CIRCUIT THRU PHOTO-CELL. SEE DIAGRAM. WIRE OTHER LIGHTS THRU EXTERIOR LIGHT SWITCH AT ENTRANCE.
11. FIXTURE TYPE-'C' MOUNTED IN LIGHT COVE, SEE ARCH. DWGS FOR COVE DETAILS
12. ENGRAVE "EXTERIOR LIGHTS"
13. WIRE THRU EXIT LIGHT SWITCH
14. MOUNT ON WALL 6" ABOVE COVE.
15. CEILING MOUNTED BEHIND BEAM.
16. UNIT HEATER 1/2 HP 3Φ 208V
17. 3/4"C 6#14 TO P.A. TERM. CAB.
18. EXHAUST FAN 120V CONTROLLED W/ LIGHT SWITCH.

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE OCT 24 1968
BY

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES — OFFICE OF ARCHITECTURE AND CONSTRUCTION
81891 APPROVED OCT 2 1968
For Director of General Services
By R.J. Buckley

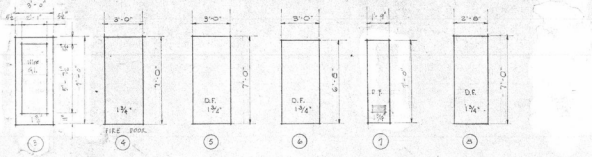
ADDITION TO
MT. DIABLO ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
ELECTRICAL - FLOOR PLAN, NOTES & DIAGRAMS.

HOWARD E. WESTFALL A.I.A.
ARCHITECT & ASSOCIATES
1196 BOULEVARD WAY, WALNUT CREEK, CALIFORNIA 94529 • TELEPHONE 415 • 939-5065

SHEET
E-2
OF 20 SHEETS
JOB NO. W-01-68

DATE: 8-28-68	REVISED
DR. BY: AH	
CH. BY: AL	

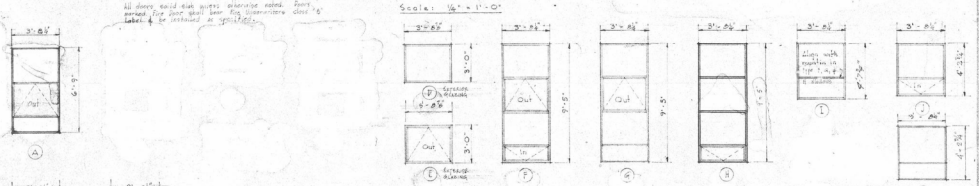
WILLIAMSON AND VOLLMER ENGINEERING, INC.
362 PARK STREET
RHEEM VALLEY, CALIF. 94570
(415) 376-6901



Note: Door heights for exterior doors are from furnished floor. Check sill details for door tops below floor line.
All doors equip'd with mortise cylinder rolled, Yale, except for door shown over Fire Department Connection Label & to be installed as specified.

DOOR SCHEDULE

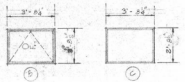
Scale: 1/4" = 1'-0"



SCHEDULE OF METAL SASH

Scale: 1/4" = 1'-0"

Type: All sash shall be tempered glazed unless otherwise noted.



SCHEDULE OF INTERIOR FINISH MATERIALS

	Room	Number	Floor	Base	Wainsc.	Walls	Ceilg	Ceil. Mld.	Cab. Mld. (Sill, Valance)	Chair Rail	Remarks
KINDERGARTEN UNIT	KINDERGARTEN	K-1	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
	TOILET	K-2	Tile	Tile	Tile	Plaster	Acoust. A	P.F.			
	TOILET	K-3	Tile	Tile	Tile	Plaster	Acoust. A	P.F.			
	STORAGE	K-4	Concrete	Concrete		Stucco	Stucco				
PRIMARY CLASSROOM	PRIMARY CLASSROOM	CR-1	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
	PRIMARY CLASSROOM	CR-2	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
	PRIMARY CLASSROOM	CR-3	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
	PRIMARY CLASSROOM	CR-4	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
ADMINISTRATION UNIT	SECRETARY										
	TEACHERS	A-1	Asph. Tile	P.F.	*Plywood	Stucco	Acoust. A	P.F.	* P.F.		* Plywood only on flat surfaces above sills
	TOILET	A-2	Asph. Tile	P.F.	*Plywood	*Stucco	Acoust. A	P.F.	* P.F.		* Plywood only on walls above & below sills
	PRINCIPAL	A-3	Asph. Tile	P.F.	*Plywood	*Stucco	Acoust. A	P.F.	* P.F.		* Plywood only on walls at ends of sills
		A-4	Asph. Tile	P.F.	*Plywood	*Stucco	Acoust. A	P.F.	* P.F.		* Plywood only on walls at ends of sills & below sills
	SUPPLY	A-5	Concrete	P.F.	*Plywood	*Stucco	Acoust. A	P.F.	* P.F.		* Plywood only on walls below sills
STORAGE CLASSROOM UNIT	CLASSROOM	CR-5	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
	CLASSROOM	CR-6	Asph. Tile	P.F.	Plywood	Stucco	Acoust. A	P.F.	P.F.		
	STORAGE	S-1	Concrete	Concrete		Stucco	Stucco				
TOILET	BOYS' TOILET	T-1	Tile	Tile	Tile	Plaster	Acoust. A	P.F.			
	BOILER	T-2	Concrete	Concrete		Stucco	Stucco				
	CUSTODIAN	T-3	Concrete	Concrete		Stucco	Stucco				
	GIRLS' TOILET	T-4	Tile	Tile	Tile	Plaster	Acoust. A	P.F.			

SCHEDULE OF INTERIOR PAINTING

Room	Base	Wainsc.	Walls	Ceilg	Window Sash Frame & Trim	Other Wood	Remarks
KINDERGARTEN	Enamel	Stain	Flat Wall		Eggshell	Stain	
			Enamel	Enamel	Enamel	Enamel	
			Enamel	Enamel	Enamel	Enamel	
					Eggshell	Stain	
PRIMARY CLASSROOM	Enamel	Stain	Flat Wall		Eggshell	Stain	
PRIMARY CLASSROOM	Enamel	Stain	Flat Wall		Eggshell	Stain	
PRIMARY CLASSROOM	Enamel	Stain	Flat Wall		Eggshell	Stain	
PRIMARY CLASSROOM	Enamel	Stain	Flat Wall		Eggshell	Stain	
SECRETARY							
TEACHERS	Enamel	Stain	* Flat Wall		Eggshell	Stain	* Flat wall on stucco, stain on plywood
TOILET	Enamel	Stain	* Flat Wall		Eggshell	Stain	* Pa.
PRINCIPAL	Enamel	Stain	* Flat Wall		Eggshell	Stain	* Pa.
	Enamel	Stain	* Flat Wall		Eggshell	Stain	* Pa.
SUPPLY	Enamel	Stain	* Flat Wall		Eggshell	Stain	* Pa.
CLASSROOM	Enamel	Stain	Flat Wall		Eggshell	Stain	
CLASSROOM	Enamel	Stain	Flat Wall		Eggshell	Stain	
STORAGE				Stain			
BOYS' TOILET			Enamel	Enamel	Enamel	Enamel	
BOILER						Stain	
CUSTODIAN						Stain	
GIRLS' TOILET			Enamel	Enamel	Enamel	Enamel	

ABBREVIATION INDEX

Aggr. = Aggregate
Asph. = Asphalt
Bd. = Board
Conc. = Concrete
D.F. = Douglas Fir
D.H. Register = Diamond Head Register
D.O. = Door Opening
Dr. = Drawer
Ex. = Expansion
Ext. = Exterior
F.E. = Fire Extinguisher
F.H. = Fire Hose
F.P. = Fire Protection
Gyp. = Gypsum
H.C. = Hose Cabinet
K.F. = Kick Plate
P.F. = Fir Plywood
P.T. = Paper Towel
Rdwd. = Redwood
S.D. = Soap Dispenser
S.S. = Stainless Steel
Sht. = Sheet
Stor. = Storage
T.P. = Toilet Partition
Typ. = Typical
W.C. = Water Closet
W.H. = Water Heater
(F.E.) = Fire Extinguisher
(F.H.) = Fire Hose
(H.C.) = Hose Cabinet
(S.D.) = Soap Dispenser
(T.P.) = Toilet Partition
(T.P.) = Towel Dispenser
Acoust. A = Acoustical Tile - Direct Cemented Application
Acoust. B = Acoustical Tile over Furring

SCHEDULE OF LETTERING

(Painted letters 2" high unless otherwise noted)

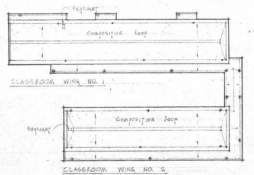
1 Classroom Units - 2" Numerals each corridor door.

2 Toilet Units: BOYS, GIRLS, CUSTODIAN C-1, BOILER ROOM B-1.

3 Storage Unit: STORAGE ROOM S-1.

4 Administration Unit
(a) At exterior Corner of building letter OFFICE with arrow painted door.
(b) Exterior Doors - SUPPLY ROOM, OFFICE.
(c) Interior Doors - PRINCIPAL, TEACHERS REST ROOM, TOILET & SUPPLY ROOM.

NOTE: Lettering on buildings, shall be done under this schedule and as directed by Architect.



CLASSROOM WING NO. 1

CLASSROOM WING NO. 2

ROOF PLAN

Scale: 1" = 40'-0"

* Indicates scuppers from this roof to downspout through wall and leader with splash block.

* Indicates scuppers from this roof to splash block.

INDEX OF DRAWINGS

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P-3	PLUMBING DETAILS	26

* Note: Sheet Nos. 14 to 20 inc. omitted.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED: FILED DEC 16 1954

ASSOCIATED ARCHITECTS
ANDERSON & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2990 PARK BOULEVARD OAKLAND 10, CALIF.
ARCHITECT

ENGINEER

TITLE SHEET - SCHEDULES

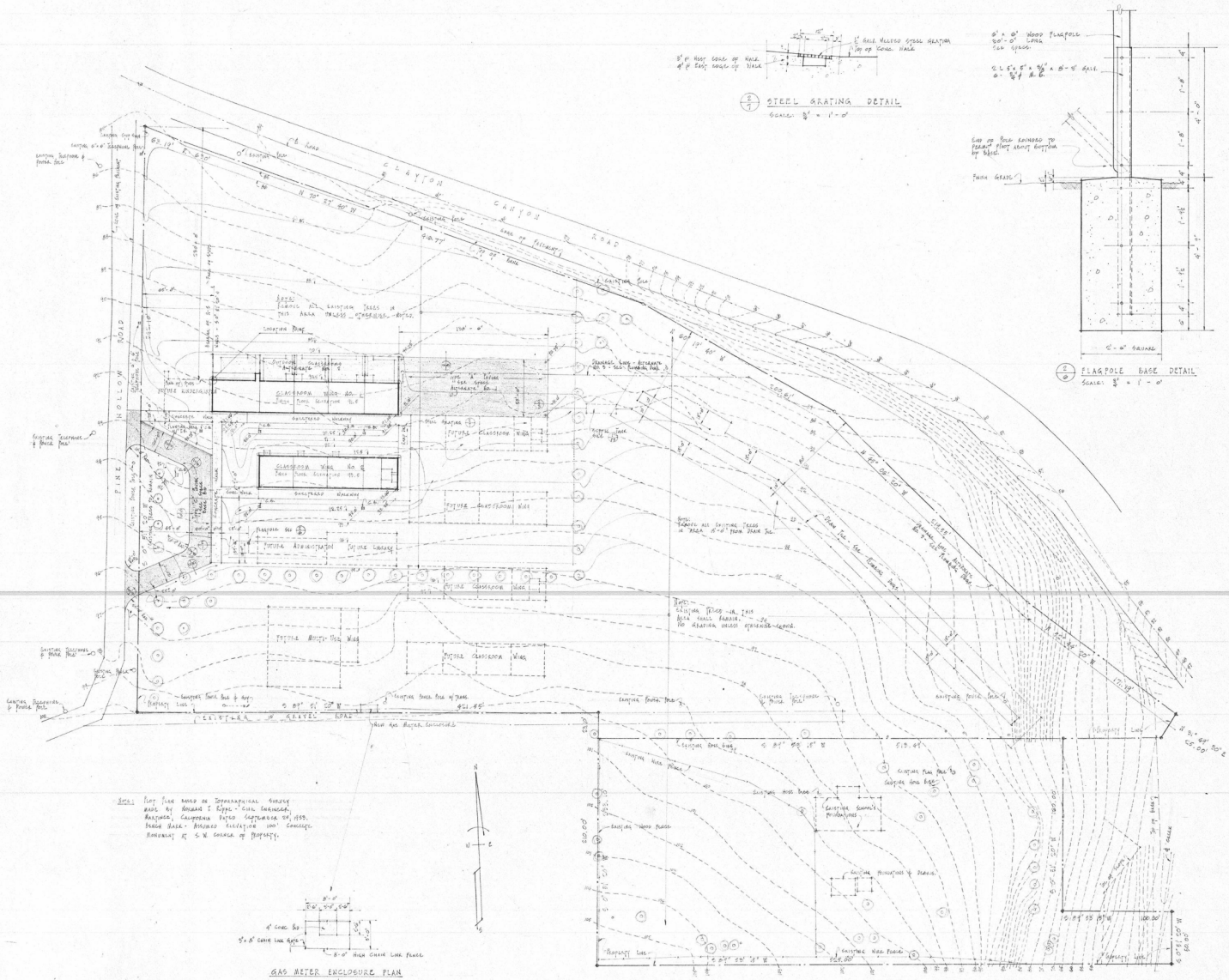
CLAYTON ELEMENTARY SCHOOL

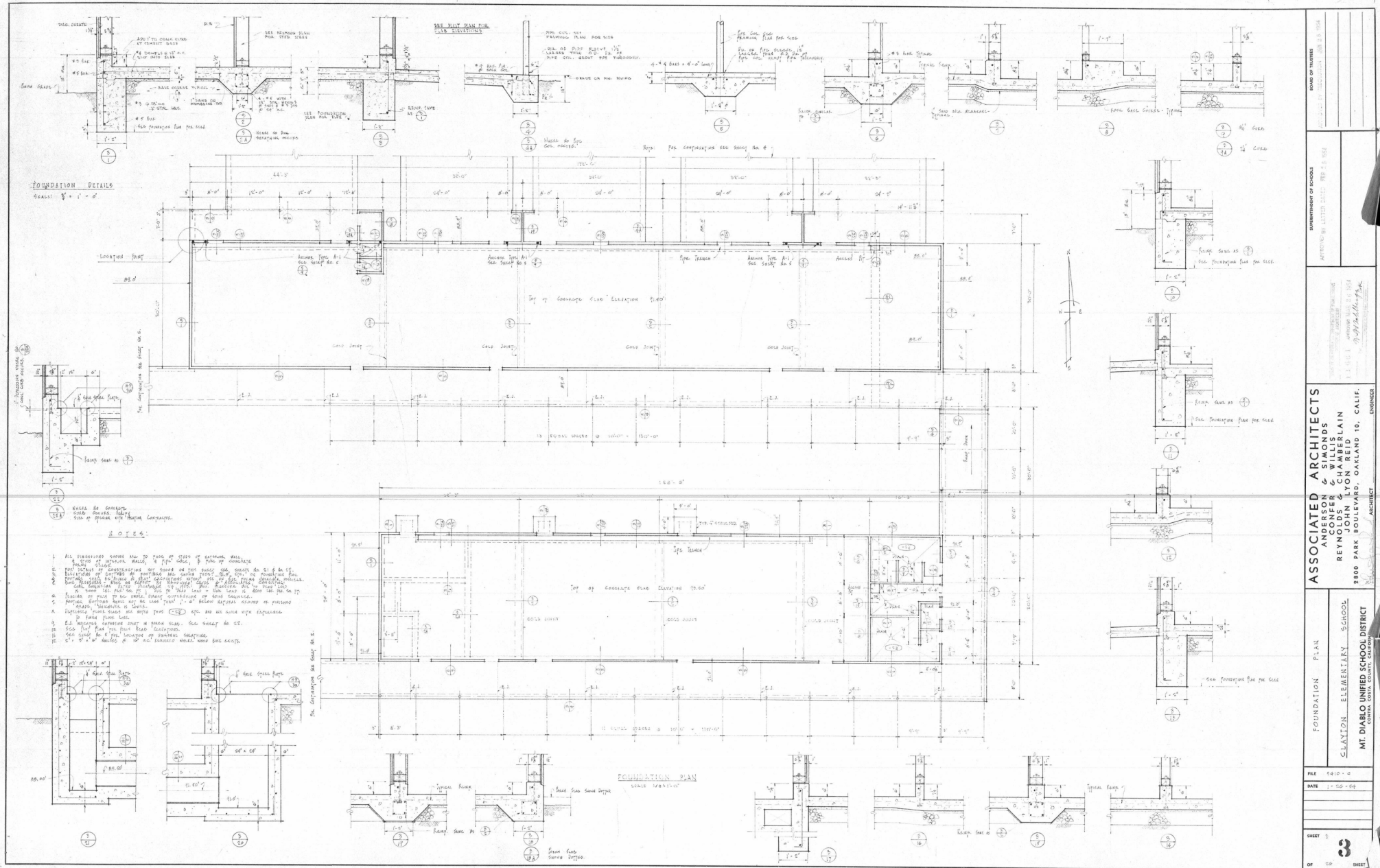
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

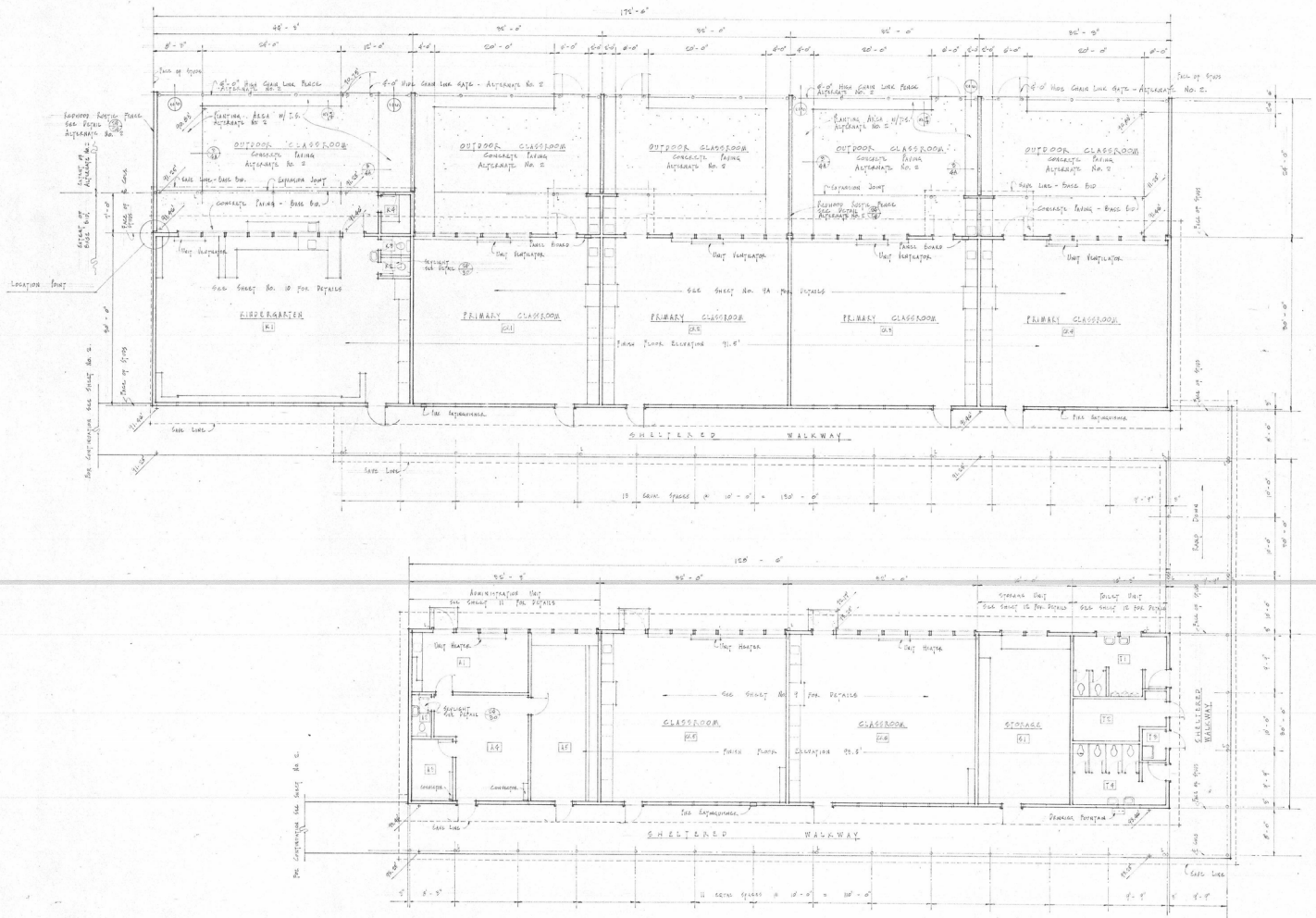
FILE 5420-C

DATE 11-26-54

SHEET 1 OF 26 SHEETS


CLAYTON ROAD
HOLLOW ROAD
PINE
EXISTING CLASSROOM BLDG. NO. 1
EXISTING CLASSROOM BLDG. NO. 2
EXISTING ADMINISTRATION BUILDING
FUTURE CLASSROOM
FUTURE MULTI-USE BLDG.
FUTURE ADMINISTRATION
FUTURE LIBRARY
EXISTING PLAY AREA
EXISTING PARKING
EXISTING TENNIS COURTS
EXISTING WOOD FENCE
EXISTING CHAIN LINK FENCE
EXISTING TREES TO BE REMOVED
EXISTING TREES TO REMAIN
PROPERTY LINE
S 87° 51' 58" W 451.45'
S 87° 51' 58" W 100.00'
N 87° 51' 58" E 100.00'
S 87° 51' 58" W 100.00'
N 87° 51' 58" E 100.00'
S 87° 51' 58" W 100.00'
S 87° 51' 58" W 100.00'
N 87° 51' 58" E 100.00'
S 87° 51' 58" W 100.00'
S 87° 51' 58" W 451.45


FOUNDATION DETAILS
SCALES: 3/4" = 1'-0"
NOTES:
FOUNDATION PLAN
SCALE: 1/8"=1'-0"
SEE PILOT PLAN FOR FLOOR ELEVATIONS
SEE FOUNDATION PLAN FOR SLAB
SEE FOUNDATION PLAN FOR SLAB
SEE FOUNDATION PLAN FOR SLAB



FLOOR PLAN

SCALE: 1/8" = 1'-0"

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
COLLES & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

FLOOR PLAN

CLAYTON ELEMENTARY SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 5410-5

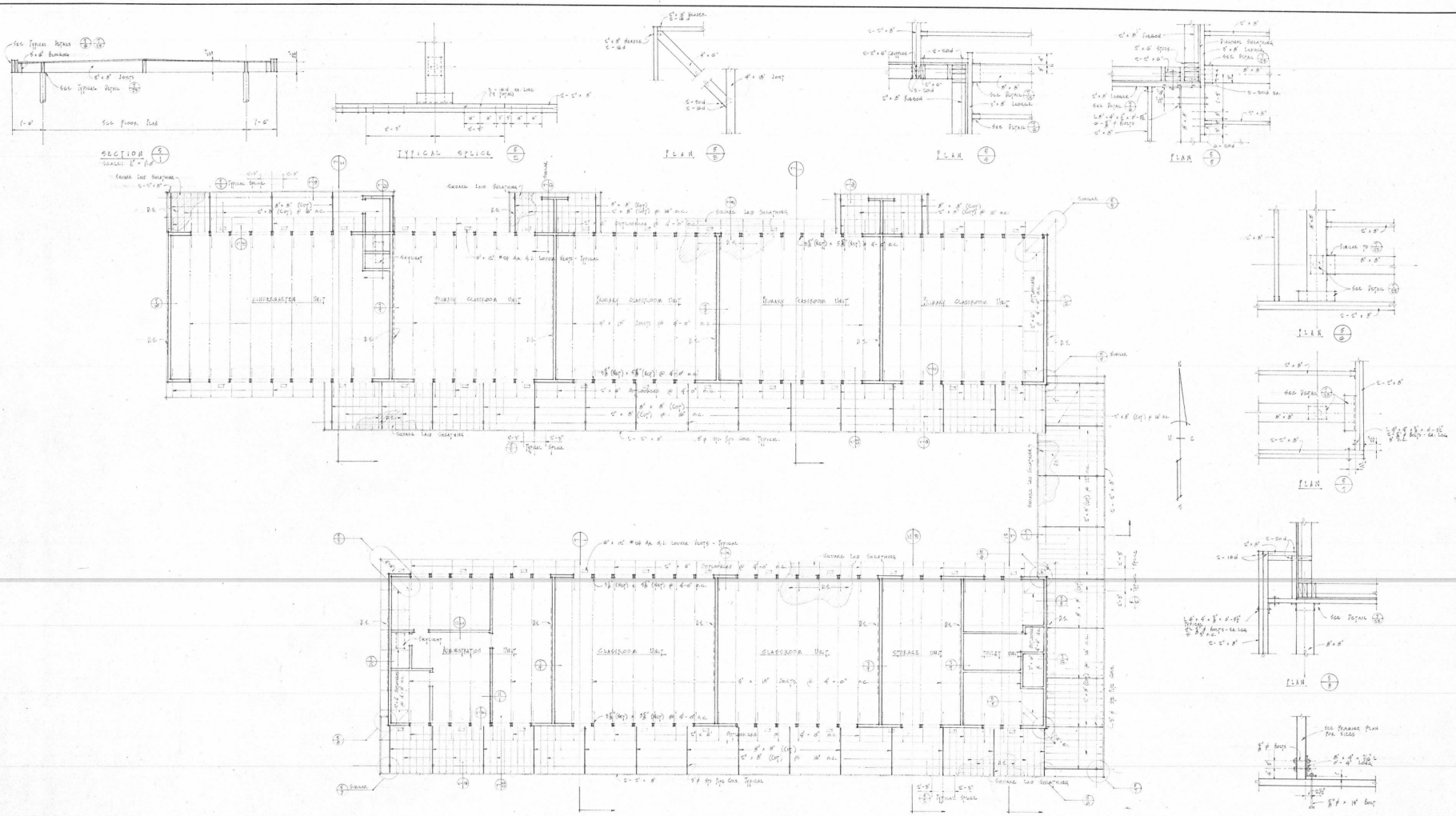
DATE 1-20-54

SHEET 4 OF 20 SHEETS

4

BOARD OF TRUSTEES
APPROVED AS SHOWN HEREON THIS 8 DAY OF FEB 1954

SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED FEB 8 1954



BOARD OF TRUSTEES
APPROVED BY RESOLUTION DEC 16 1954

SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED FEB 16 1954

ASSOCIATED ARCHITECTS
ANDERSON & SIMMONS
CONNER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

ENGINEER

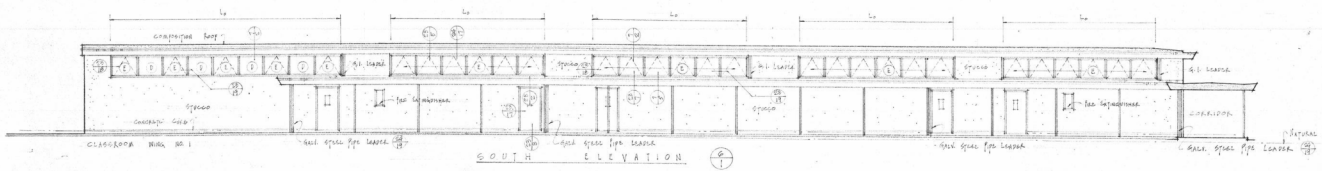
ROOF FRAMING PLAN

CLAYTON ELEMENTARY SCHOOL

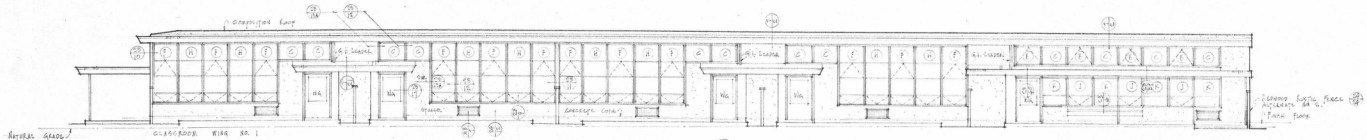
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 5610 - S
DATE 1 - 20 - 54

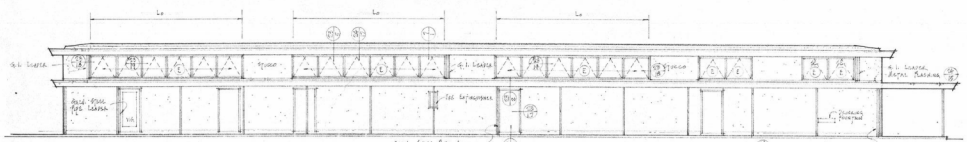
SHEET S
5
OF 20 SHEETS



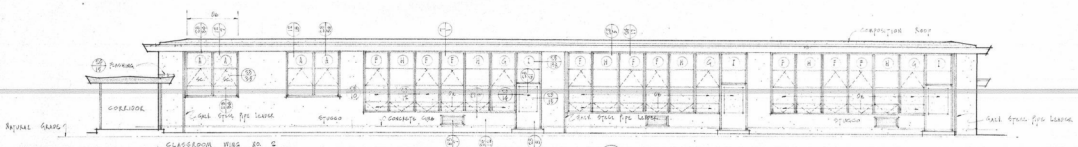
SOUTH ELEVATION (6/1)



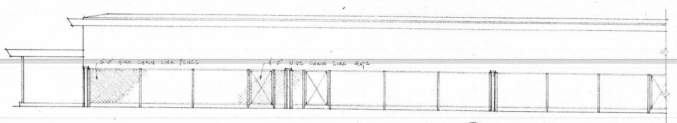
NORTH ELEVATION (6/2)



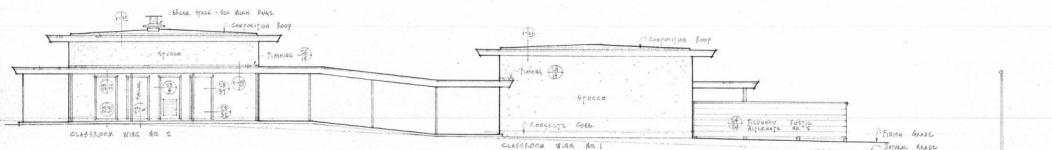
SOUTH ELEVATION (6/3)



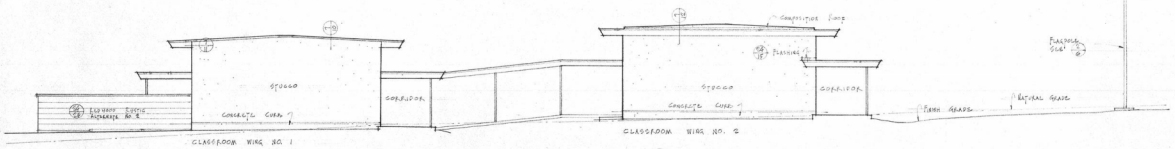
NORTH ELEVATION (6/4)



NORTH ELEVATION FENCE (6/5)



EAST ELEVATION (6/6)



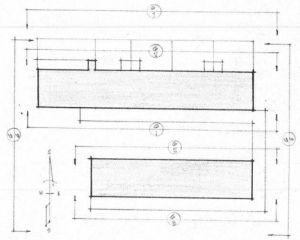
WEST ELEVATION (6/7)

EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

LEGEND

- (1) Letter No.
- (1) Postal No.
- (A) Window Type (See Sched. No. 1)
- La Louver
- Gs Obscure Glass
- Gc Clear Glass
- WG Wire Glass



KEY PLAN

SCALE: 1" = 40'-0"

SUPERINTENDENT OF SCHOOLS

APPROVED BY LETTER DATED APR 10 1958

BOARD OF TRUSTEES

APPROVED AS RECOMMENDED APR 8 1958

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
WILSON & WILSEN
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

ENGINEER

EXTERIOR ELEVATION

CLAYTON ELEMENTARY SCHOOL

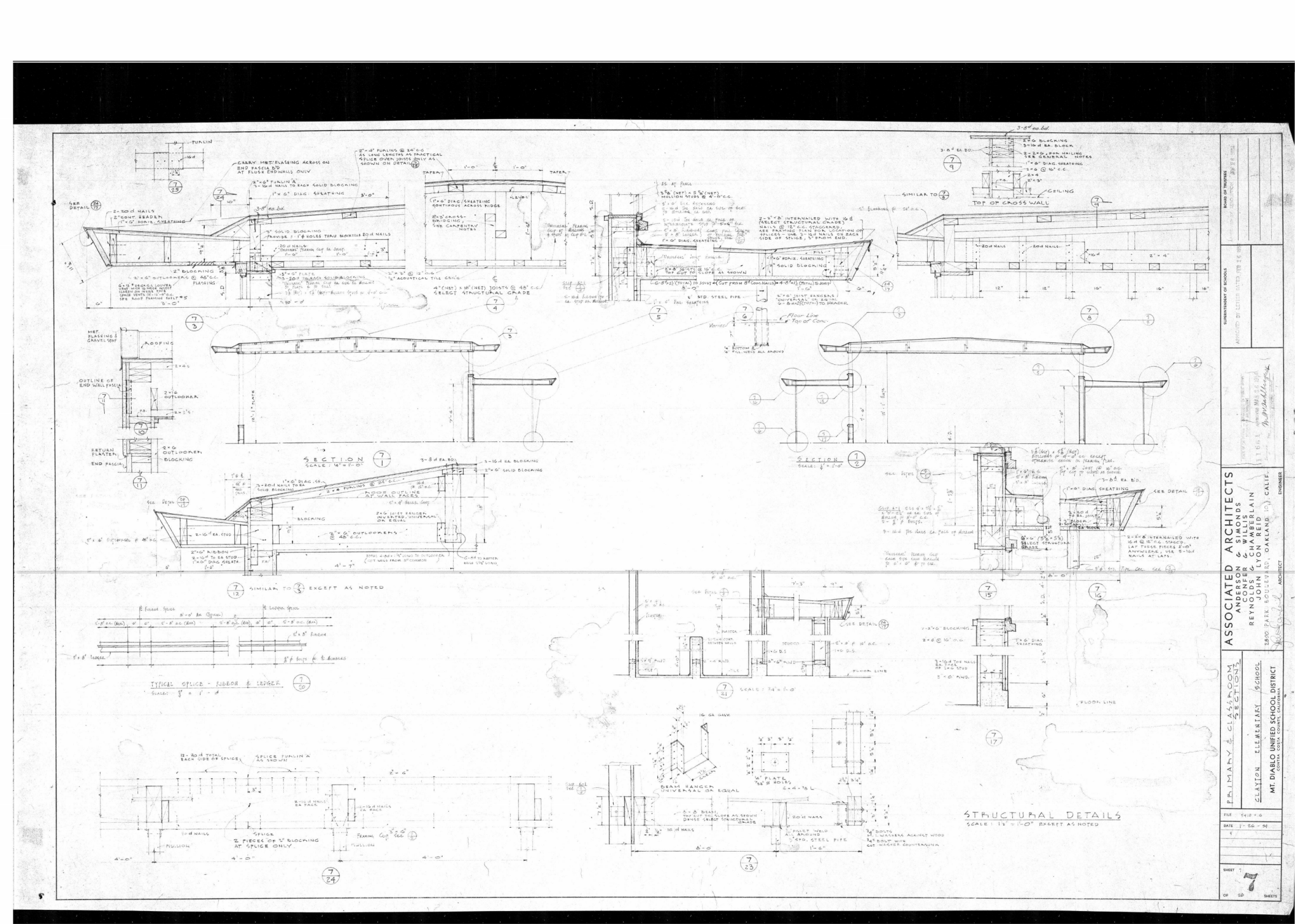
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CALIFORNIA

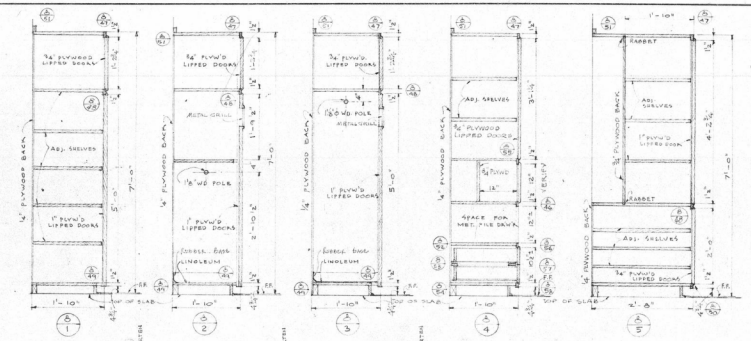
FILE E410-2

DATE 1-28-58

SHEET # 6

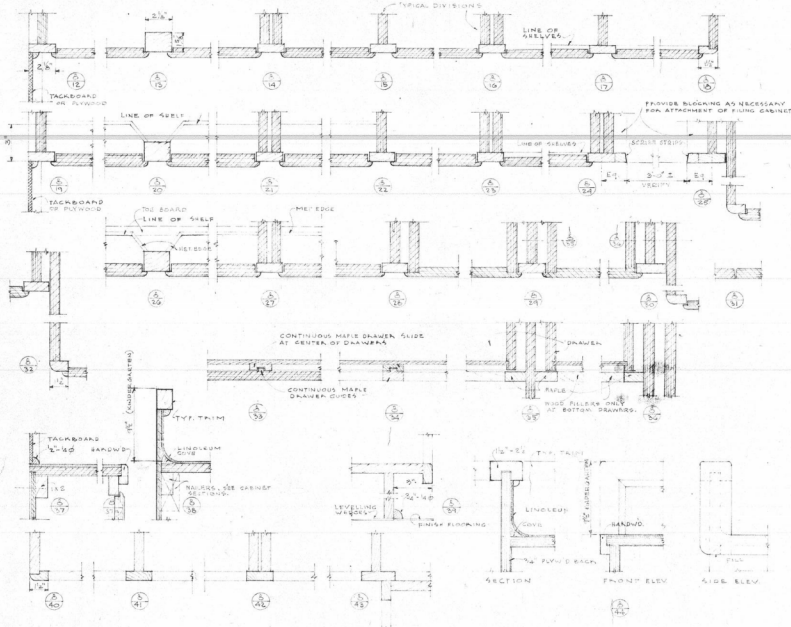
OF 28 SHEET


SECTION
SCALE : 1/4" = 1'-0"
SECTION
SCALE : 1/2" = 1'-0"
SIMILAR TO EXCEPT AS NOTED
TYPICAL SPLICE - RIDGE & LEDGER
SCALE: 3/4" = 1'-0"
SCALE : 3/4" = 1'-0"
STRUCTURAL DETAILS
SCALE : 1 1/2" = 1'-0" EXCEPT AS NOTED
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2830 PARK BOULEVARD, OAKLAND 10, CALIF.
PRIMARY CLASSROOM SECTIONS
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
ARCHITECT
ENGINEER
FILE 5412-G
DATE 1-26-51
SHEET 7
OF 20 SHEETS



CABINET SECTIONS (BASE BID)

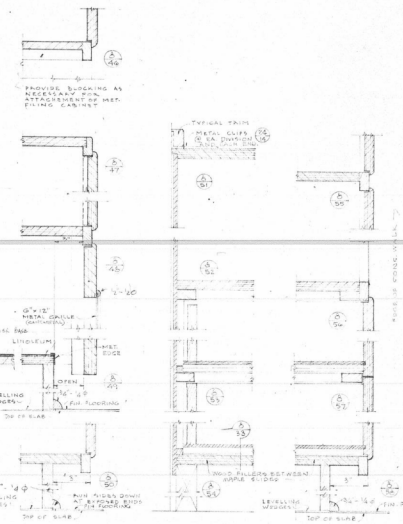
SCALE: 3/4" = 1'-0"



CABINET DETAILS (BASE BID)

SCALE: 3" = 1'-0"

UNLESS OTHERWISE NOTED ALL VERTICAL NAILS SHALL BE 2½ NET WIDE



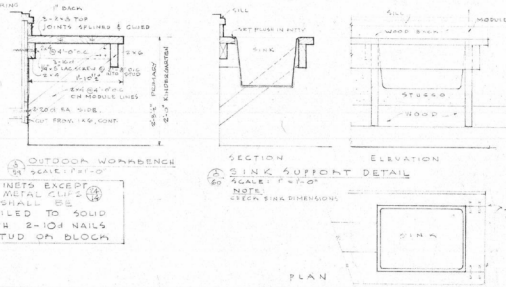
UNLESS OTHERWISE SHOWN OR NOTED, THE FOLLOWING NOTES SHALL APPLY TO ALL CABINETS:

1. DIVISIONS WHICH HAVE ADJUSTABLE SHELVES WITH BOTH SIDES SHALL BE ¾" NET MIN. THICKNESS.

2. ALL OTHER ENDS AND DIVISIONS OR CABINETS SHALL BE ¾" THICK

3. ALL FIXED SHELVES SHALL BE RABBETED 1/4" INTO THE ENDS & DIVISIONS AND BE GLUED. WHERE FIXED SHELVES ALIGN ON OPPOSITE SIDES OF A DIVISION, THEY SHALL BE INSTALLED WITH SAW TOOTHS WHICH GO THRU THE DIVISION AND EXTEND AS SPECIFIED ABOVE.

NOTE: ALL CABINETS EXCEPT THOSE HAVING METAL CUPS IN THE TOP SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK.



OUTDOOR WORKBENCH

SCALE: 1"=1'-0"

SINK SUPPORT DETAIL

SCALE: 1"=1'-0"

NOTE: CHECK SINK DIMENSIONS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONNER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
1200 PARK BOULEVARD, OAKLAND 10, CALIF.

ARCHITECT

ENGINEER

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED BY LETTER DATED FEB 16 1954

STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPROVED MAR 5 1954

CABINETWORK DETAILS

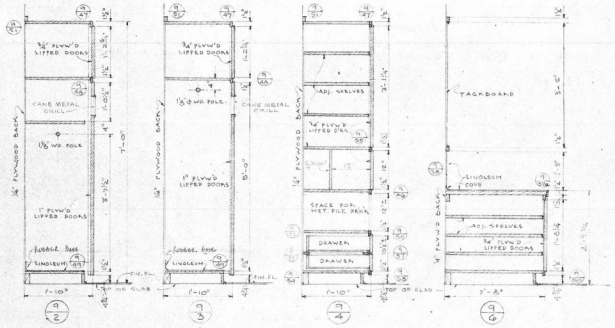
CLAYTON ELEMENTARY SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 8410-E

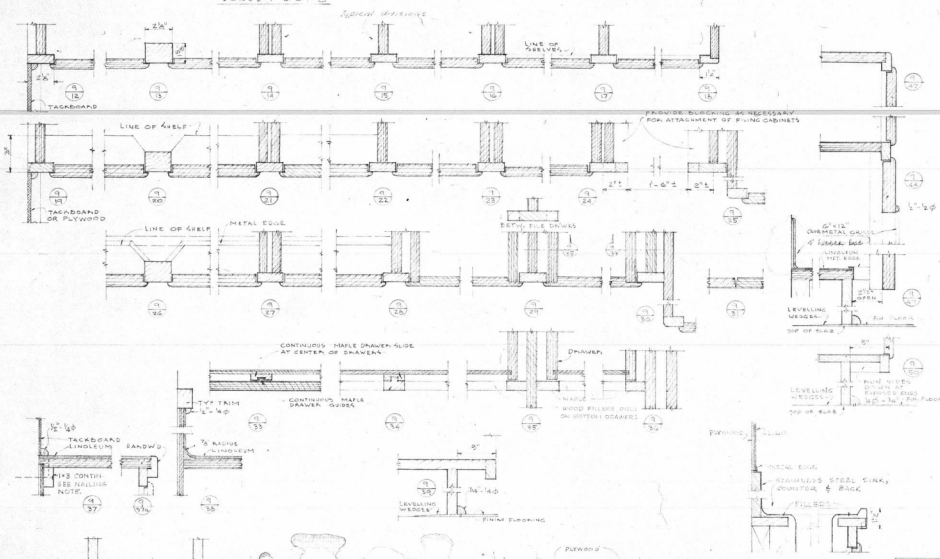
DATE 1-26-54

SHEET 8 OF 28 SHEETS



CABINET SECTIONS (BASE BID)

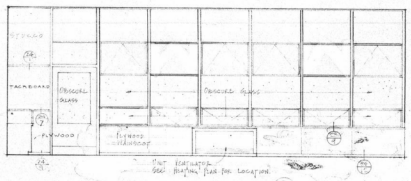
SCALE: 3/4" = 1'-0"



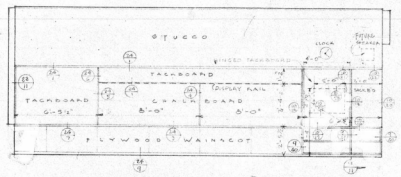
CABINET DETAILS (BASE BID)

SCALE: 3" = 1'-0"

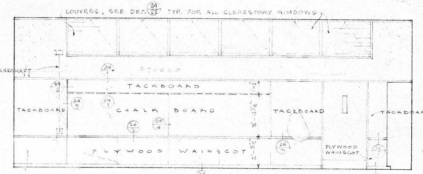
UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2½"



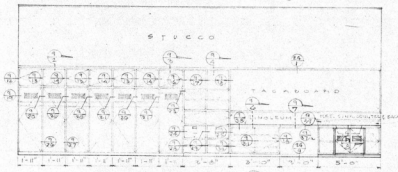
ELEVATION (9/A)



ELEVATION (9/B)



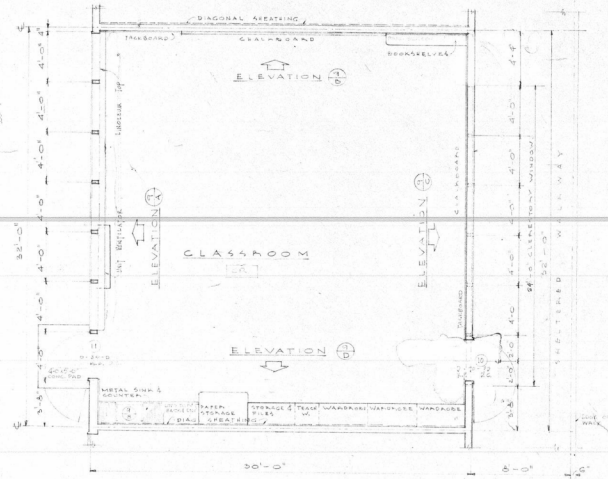
ELEVATION (9/C)



ELEVATION (9/D)

CLASSROOM ELEVATIONS

SCALE: 1/4" = 1'-0"



FLOOR PLAN

SCALE: 1/4" = 1'-0"

ALL CABINETS, EXCEPT THOSE HAVING METAL CLIPS DET. 12/9 AT THE TOP, SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

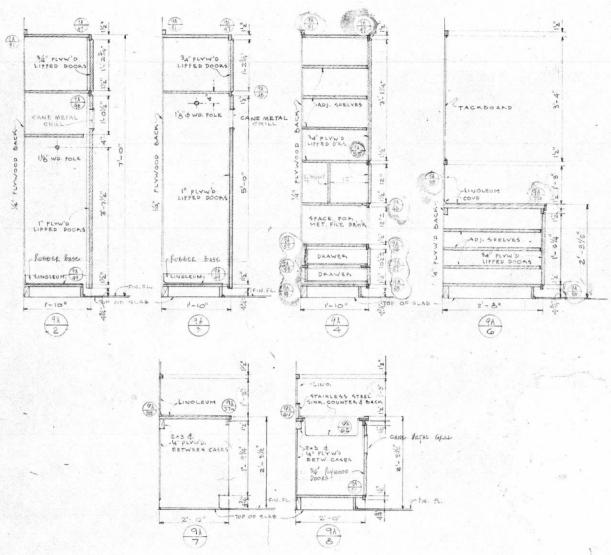
CLASSROOM INTERIOR
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 5410-C
DATE 1-22-54

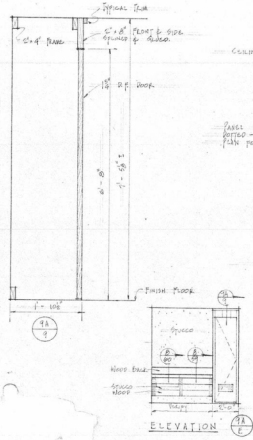
SHEET 9 OF 28 SHEETS

SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED JAN 8, 1954

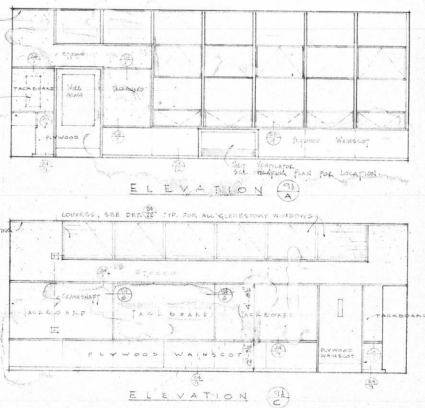
BOARD OF TRUSTEES
APPROVED



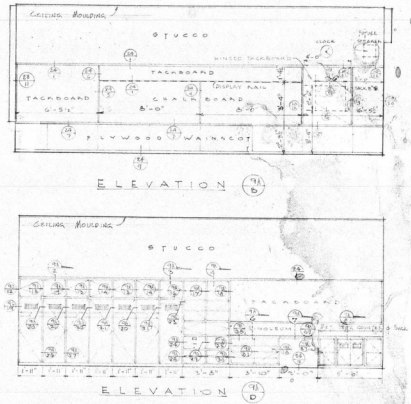
CABINET SECTIONS (BASE BID)
SCALE: 3/4" = 1'-0"



ELEVATION



ELEVATION

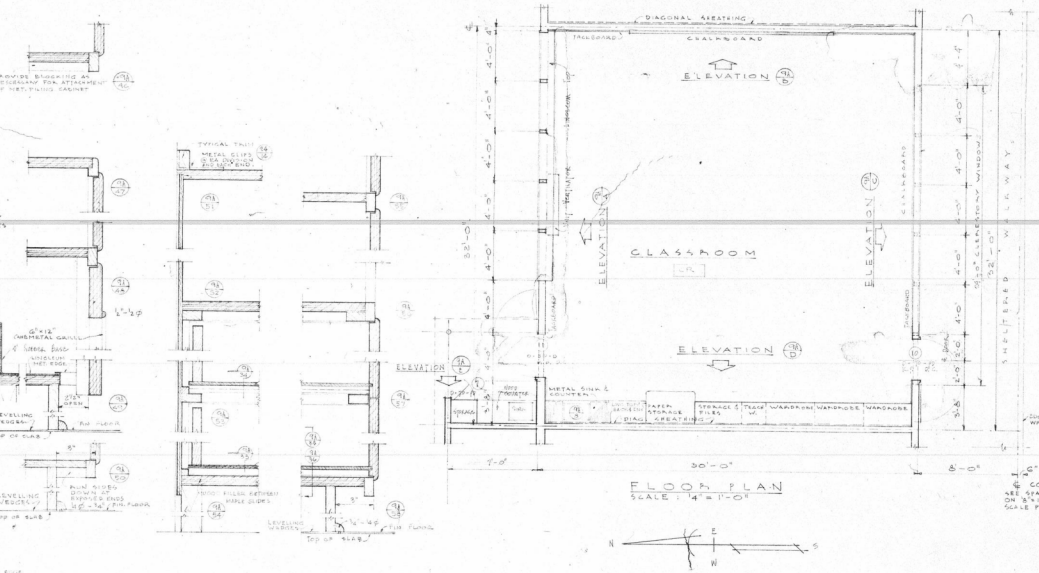


ELEVATION

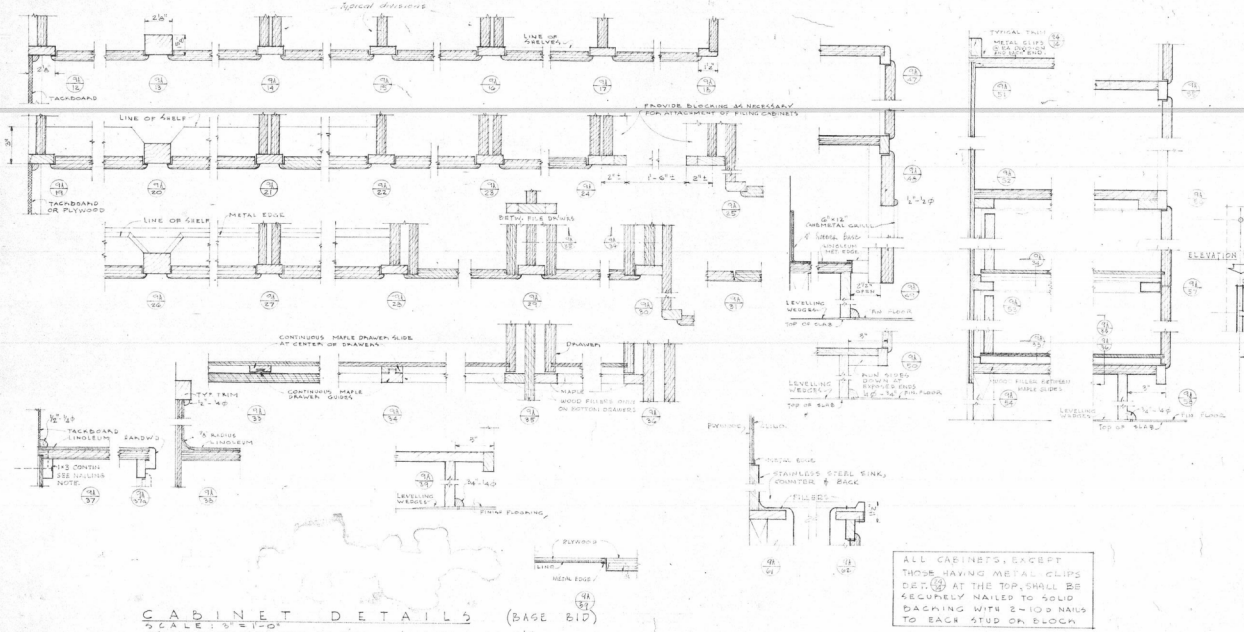
ELEVATION

ELEVATION

CLASSROOM ELEVATIONS
SCALE: 1/4" = 1'-0"



FLOOR PLAN
SCALE: 1/4" = 1'-0"



CABINET DETAILS (BASE BID)
SCALE: 3" = 1'-0"
UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2½"

ALL CABINETS, EXCEPT THOSE HAVING METAL CLIPS DET. (91/32) AT THE TOP, SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10D NAILS TO EACH STUD OR BLOCK

BOARD OF TRUSTEES

CONTRACTING IN SEVERALTY

ARCHITECTS ENGINEER

ASSOCIATED ARCHITECTS
ANDERSON & SIMONS
COLLIER & CHAMBERLAIN
REYNOLDS JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.

ARCHITECT

LIBRARY CLASSROOM INTERIORS

CLAYTON ELEMENTARY SCHOOL

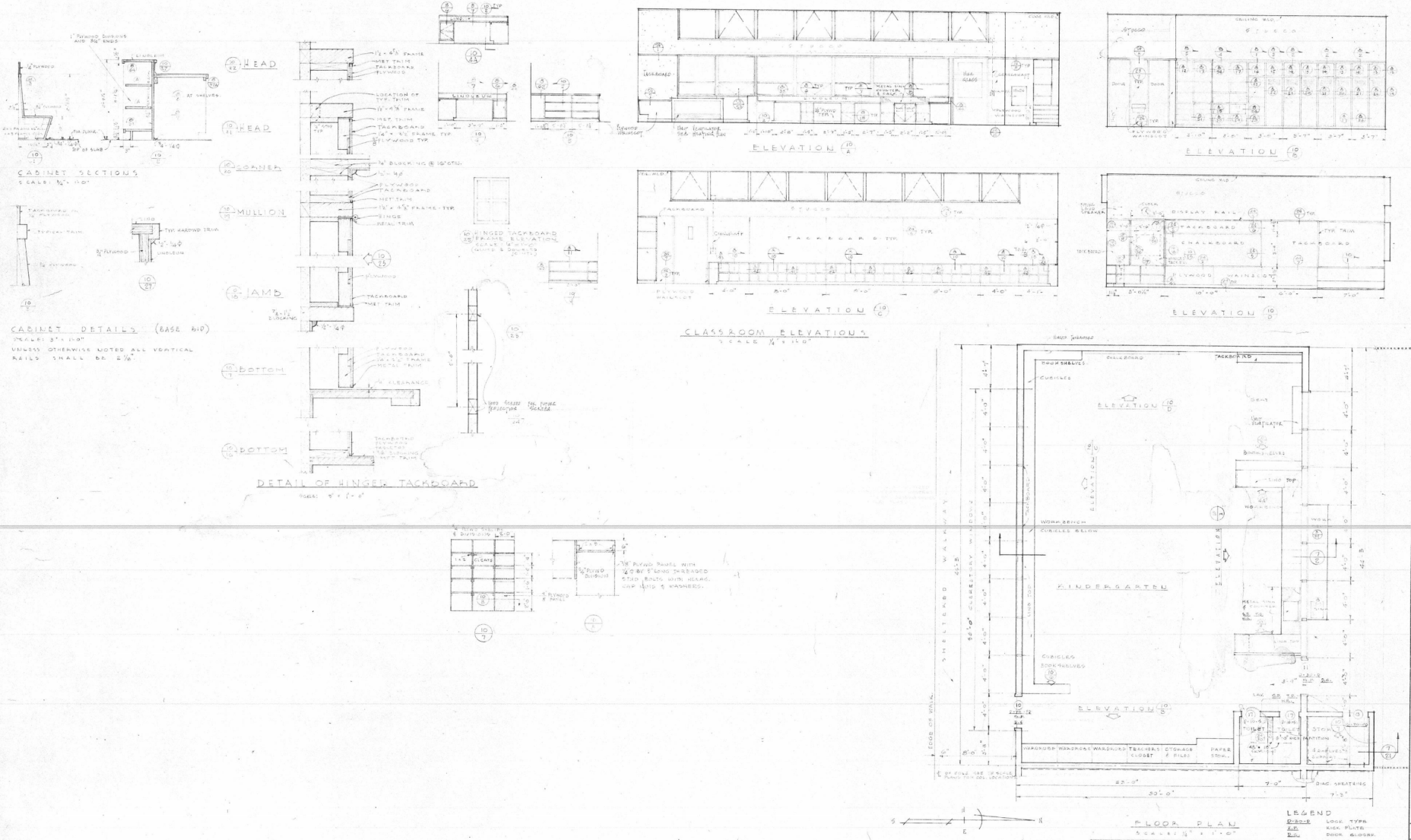
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 5410 x C

DATE 1-59 x 59

SHEET NO. 9A

OF 28 SHEETS



ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CLOSE & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

KINDERGARTEN
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

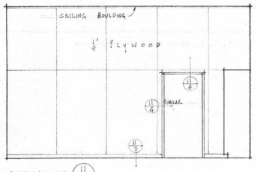
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED

FILE 5410-C
DATE 1-22-54

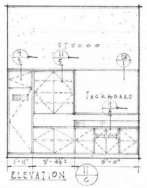
SHEET 11
OF 19 SHEETS



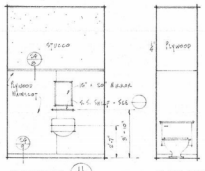
ELEVATION TEACHERS ROOM A1
SCALE: 1/4" = 1'-0"



ELEVATION



ELEVATION

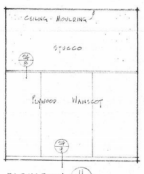


ELEVATION TOILET ROOM A8

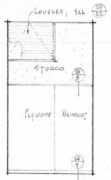
ELEVATION



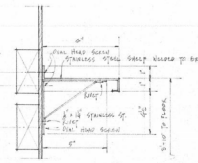
ELEVATION PRINCIPAL ROOM A5
SCALE: 1/4" = 1'-0"



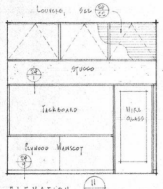
ELEVATION



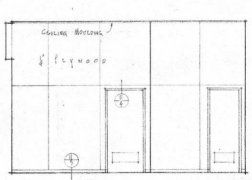
ELEVATION



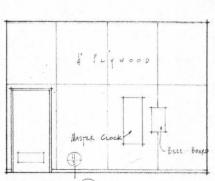
METAL SHELF DETAIL
3" = 1'-0"



ELEVATION SECRETARY ROOM A4
SCALE: 1/4" = 1'-0"



ELEVATION



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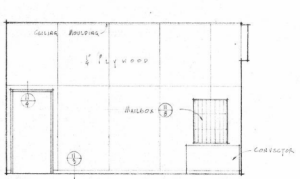
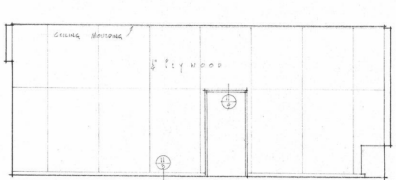
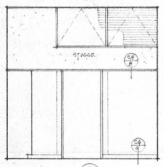


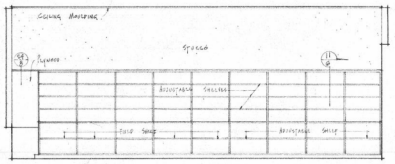
ELEVATION



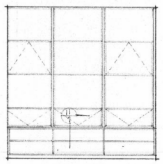
ELEVATION SUPPLY ROOM A6
SCALE: 1/4" = 1'-0"



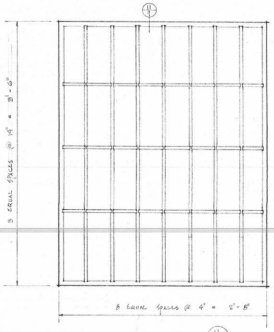
ELEVATION SUPPLY ROOM A6
SCALE: 1/4" = 1'-0"



ELEVATION



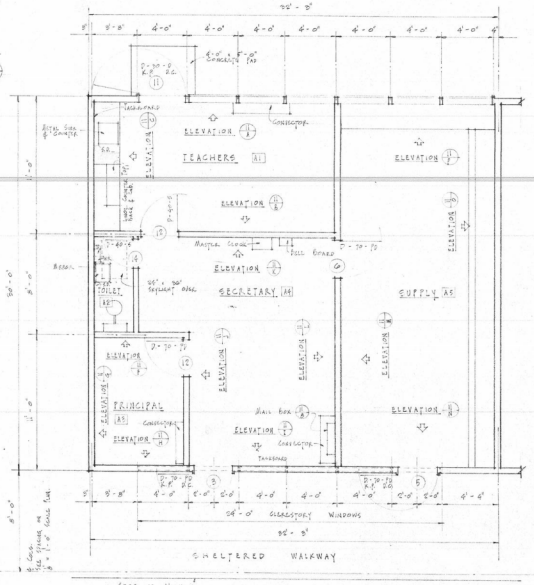
ELEVATION



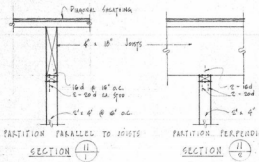
MAIL BOX DETAIL
1/2" = 1'-0"



DETAIL
1/2" = 1'-0"

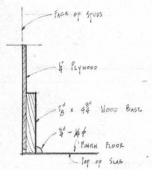


FLOOR PLAN
SCALE: 1/8" = 1'-0"

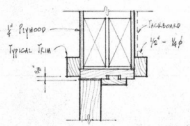


PARTITION PARALLEL TO JOISTS
SECTION
3/4" = 1'-0"

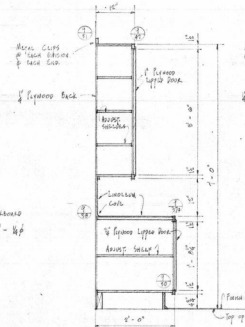
PARTITION PERPENDICULAR TO JOISTS
SECTION
3/4" = 1'-0"



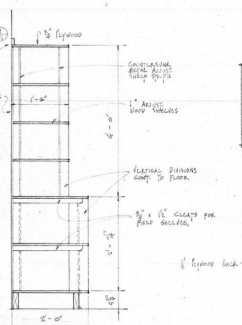
WOOD BASE
3" = 1'-0"



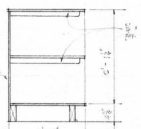
INTERIOR DOOR HEAD (JAMB SIMILAR)
3" = 1'-0"



CABINET DETAIL
3/4" = 1'-0"



STORAGE SHELVING DETAIL
3/4" = 1'-0"



COUNTER DETAIL
3/4" = 1'-0"

ALL CABINETS, EXCEPT THOSE HAVING METAL CLIPS DET. AT THE TOP, SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2 - 10 d NAILS TO EACH STUD OR BLOCK.

NOTE: STUDS FOR ALL INTERIOR PARTITIONS SHALL BE 2" x 4" @ 16" O.C. EXCEPT AS OTHERWISE NOTED.

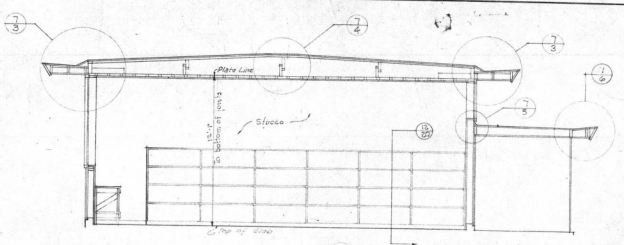
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
COONER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

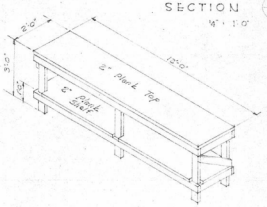
ADMINISTRATION UNIT
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

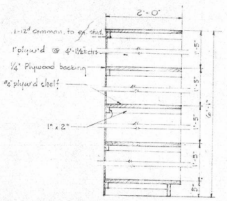
FILE 5610 - C
DATE 1-20-54

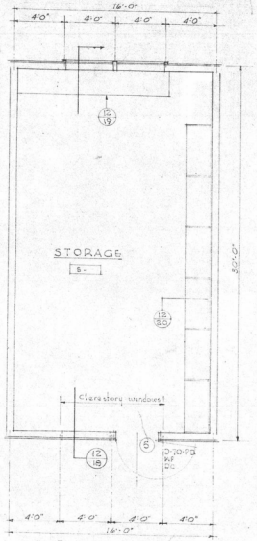
SHEET 11
OF 26 SHEETS

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
BY LETTER DATED









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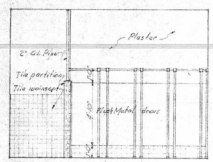
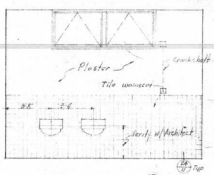
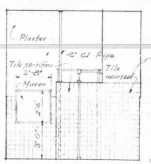
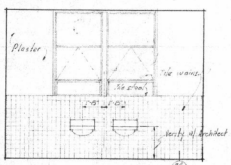
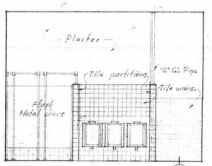


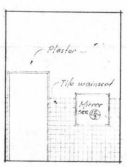




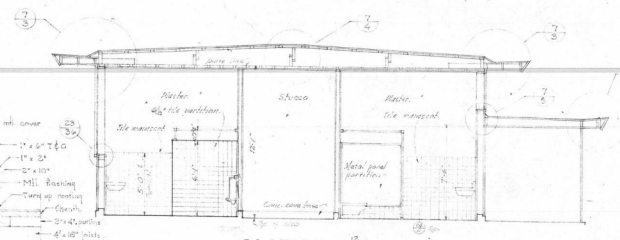
GIRL'S TOILET R.M.
1/4" = 1'-0"

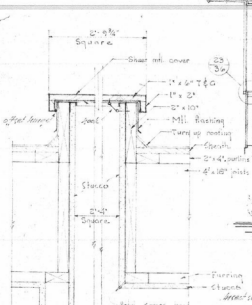


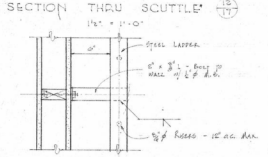




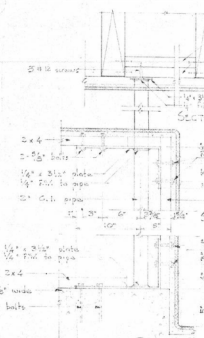
BOY'S TOILET R.M.
1/4" = 1'-0"

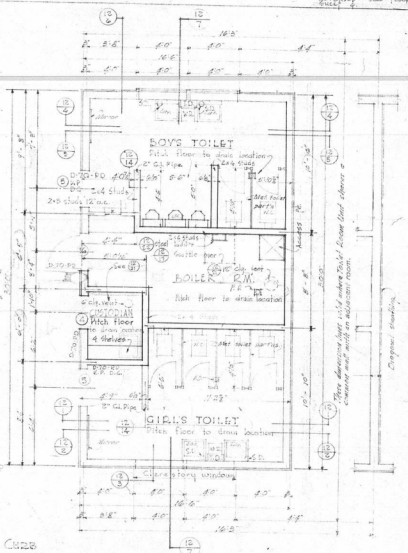






SECTION THRU SCUTTLE





TOILET UNIT

Notes: Toilet unit plan shown reversed - see floor plan - sheet 4.

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & HABERLAIN
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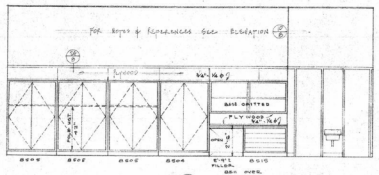
1800 PARK BOULEVARD, OAKLAND 6, CALIF.
ARCHITECT
ENGINEER

TOILET & STORAGE UNITS
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

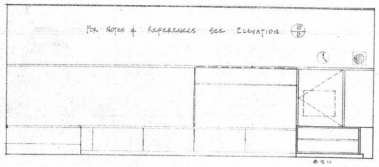
BOARD OF TRUSTEES
APPROVED
SUPERINTENDENT OF SCHOOLS
APPROVED AS LETTER DATED FEB 15 1954

FILE 5410-C
DATE 1-22-54

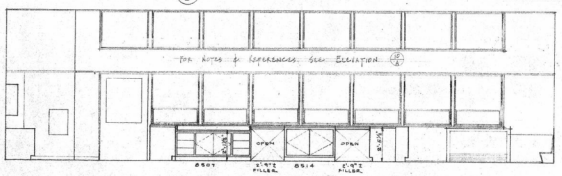
SHEET 12
OF 50 SHEETS



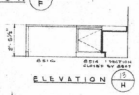
ELEVATION 15/E



ELEVATION 15/F



ELEVATION 15/G

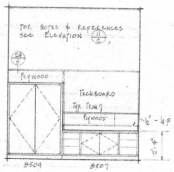


ELEVATION 15/H

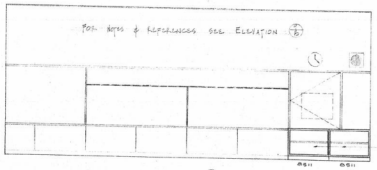
ELEVATION 15/J



ELEVATION 15/K

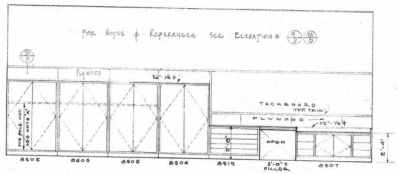


ELEVATION 15/L



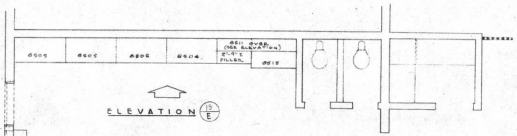
CLASSROOM NOS. C8.5 & C8.6 ONLY.

ELEVATION 15/A



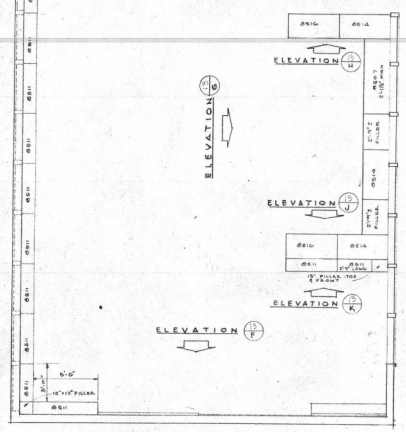
ELEVATION 15/B

NOTE "A"
44" GRADES 2 & 3
48" GRADES 4, 5 & 6 (PRIMARY CLASSROOMS)
(UPPER GRADE CLASSROOMS)



ELEVATION 15/E

FOR NOTES, DIMENSIONS, & REFERENCES SEE SHEET 10.


SHELTERED WALKWAY
8516
8514
ELEVATION 15/G
ELEVATION 15/H
ELEVATION 15/J
8513
8514
8511
8511
8511

GENERAL NOTES

Applying to all Structural Features unless greater requirements are shown or noted elsewhere.

1. **REFERENCE TO OTHER DRAWINGS.**
   (a) See Architectural Drawings for: Kinds of floor finish and their location; depressions in floor slabs; openings in walls and floors required by doors, windows, ducts, vents, plumbing, etc.; all types of flashing, inserts, anchorage, hangers, etc., embedded in or attached to the concrete structure; roadway paving, walks, stairs, ramps, curb walls, terraces, etc.; exterior grades; elevations of sloping roof surfaces and location of drainage, etc.

2. **DIMENSIONS.**
   (a) Dimensions unless otherwise noted are to rough concrete surfaces.

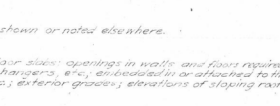
3. **DISCREPANCIES.**
   (a) The Contractor shall compare the Structural Drawings with the Architectural Drawings as to layout, dimensions and elevations. All discrepancies, if any, shall be reported to the Architect for proper adjustment before proceeding with the work.

4. **SPECIFICATIONS.**
   (a) The Specifications shall govern where information is not given in these General Notes or on the drawings.

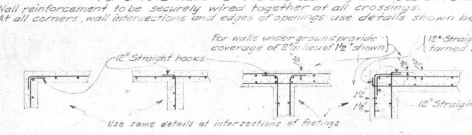
5. **OMISSIONS.**
   (a) In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.

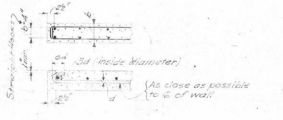
6. **CONCRETE.**
   (a) Design working stresses for concrete are based on an assumed ultimate compressive strength of f'c 2000 lbs/sq.in. at the age of 28 days.
   (b) See Specifications for specific requirements as to Concrete.

7. **STEEL REINFORCEMENT.**
   (a) Use Structural grade steel. Intermediate Grade Steel may be used if it complies with bend and elongation requirements for Structural Grade Steel.
   (b) All reinforcing bars to be deformed bars complying with A.S.T.M. spec. A-305-50T. Bars ⅜" and smaller may be plain bars.
   (c) All reinforcement shall be continuous. Laps at splices shall be at least 40 bar diameters.
   (d) Standard hooks and offsets to be as shown here unless otherwise detailed on drawings.
   (e) Suitable devices of some standard manufacture shall be used to hold reinforcement in its true, horizontal and vertical positions. These devices shall be of a CONTINUOUS TYPE sufficiently rigid and numerous to avoid displacement of the reinforcement during the placing of the concrete. All such devices shall be submitted to and receive the approval of the Architect before being used.
   (f) The Contractor shall submit to the Architect for approval complete bending and placing details of all reinforcement for this work. These details shall include a diagrammatic elevation of all walls to a scale sufficiently large to show clearly the position and erection marks of all marginal bars around openings, dowels, splices, etc. for these bars.



8. **WALLS.**
   (a) See Architectural Drawings for concrete walls not shown on Structural Drawings.
   (b) All walls shall have typical reinforcement even though no reinforcement is shown on the drawings unless specifically noted "Not Reinforced." Typical wall reinforcement shall be as follows:
   For 8" walls and under: ½" ø @ 10" ctrs. each way in center of wall.
   For 9" to 12" walls: ½" ø @ 12" ctrs. each way each face at 12" clear from steel to face of wall.
   (c) Wall reinforcement to be securely wired together at all crossings.
   (d) At all corners, wall intersections and edges of openings, use details shown below:



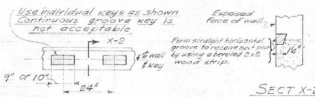


   (e) Around all edges of openings use following marginal bars:
   1-5/8" for walls 8" thick, and under.
   2-5/8" for walls over 8" thick.
   Project these bars 2'-0" beyond all corners; use standard circular hook when projection of 2'-6" is impossible.

9. **DOWELS.**
   (a) At junctions of walls and footings with slabs resting on ground, use ¾" dowels at 18" ctrs., projecting 2'-0" into slab from inside face of wall or footing. Project dowels to 2" from outer face of wall or footing and terminate in 12" straight hook.

10. **SLABS ON GROUND.**
    (a) See Typical Details on next sheet for various slabs on ground. At wall and footing provide dowels as noted in Paragraph 9a.

11. **CONSTRUCTION JOINTS.**
    (a) For construction joints in General see Specifications.
    (b) Use following procedure for construction joints:
    While the surface of concrete at construction joint is still soft, provide keys at 8' ctrs. 1" deep x 9" long x 4" wide for 6" and 8" walls; 1" deep x 10" long x 6" wide for walls 10" thick and over. In addition the entire surface of joint shall be thoroughly roughened with suitable mechanical tool. Just prior to depositing of new concrete, the surface of construction joint shall be thoroughly cleaned and wetted and a coat of 1:2 cement mortar shall be brushed on the surface. All in conformity with Section 716 & 722 - Title 21.



12. **FOUNDATIONS.**
    (a) Except where otherwise shown excavation shall be made as near as possible to the neat lines required by the size and shape of the structure. No unnecessary materials to be excavated. See Foundation Plan for additional Data.
    (b) Walls against which backfill is placed shall be adequately shored until construction bracing the walls has been erected and has attained its strength. Backfill shall be placed in layers not exceeding 6" in depth. Each layer shall be moistened as directed, and thoroughly compacted prior to placing the next layer. See Specifications.

13. **STRUCTURAL STEEL.**
    (a) All struct. steel shall conform to the A.I.S.C. Spec. for Design, Fabricat. & Erection of Struct. Steel for Bldgs., 5th edition 1949 and Title 21 (formerly Appendix "A") of dept of Public Works, State of Calif. The struct. steel shall conform to the Spec. of the A.S.T.M. for Steel for Bridges & Bldgs. Spr. Design A7-46 as amended to date. For Fire Columns, see Specifications (Grade B). The Contractor shall submit for approval to the Architect a complete set of shop drawings.
    (b) Paint. See Specifications.

14. **CARPENTRY**
    (a) Joists. Provide: full bearing at all supports. Lap joists 3" min over supports wherever possible. 2" Solid Blocking at supports and under partitions at right angles to joists. 2x3 Crossbridging at midspan for spans 8 ft to 16 ft, for greater spans Spacing of bridging shall not exceed 8'-0". Omit crossbridging for roof and ceiling joists 6 inches and under in depth. Double joists under all partitions parallel to joists.
    (b) Partitions.
    3" Redwood
    Use single bottom plate and double top plate; stagger joints in upper and lower members of top plate not less than four feet. Provide one row of solid herringbone bridging 3/4 mid-height except that at gable ends and partitions higher than 13 ft. provide two rows. Bolt plates to concrete with ⅝" ø bolts spaced @ 4'-0" c/c. See "Typical Detail of Bolting wood plate to concrete," Sheet 22
    (c) Sheathing.
    Diagonal Sheathing and subfloor shall be laid diagonally at an angle of 45° to joist or studs. Boards shall be accurately cut to center of bearings. For Typical Splicing of diagonal sheathing in roofs and walls, see details on sheet 25.
    (d) Bolts.
    Bolt holes in wood shall be drilled net size of bolt. Bolt threads shall not bear on wood or steel. Use Standard Malleable Iron Washers against wood: 3"x3"x¼" thick for ⅝" bolts, 3"x3"x⅜" thick for ¾" bolts, 2½"x2½"x¼" thick for ½" bolts, 2½"x2½"x⅜" thick for ⅝" bolts.
    (e) Nailing Schedule.
    All wood members throughout shall be connected together with nailing listed in this schedule unless a greater number of nails is shown or called for elsewhere on drawings. All nails shall be common wire nails. Wherever the nailing specified tends to split the wood, holes for nails shall be sub-bored. Split members shall be taken out and replaced.

Lapped joists	4-16d Nails	Crossbridging between joists	2-8d toe nails ea. end
Joists, Rafters or Trusses at all Bearings	2-16d " toe nails each side	Herringbone Blocking	2-10d ea. end
Studs to bearings	2-10d " " " "	Double Toe Nailed	
Blocking between joist rafters or trusses to joist rafter or trusses	2-16d " toe nails each end to plate (on which joist rests)	Lower plate to top of stud	2-20d nails
	2-16d " toe nails each side to wood girder (on which joist rests)	Upper to lower plate	16d @ 16" c/c.
	4-16d " " " "	Bottom Plate	
Blocking to blocking	3-16d " ea. block	To joists and blocking supporting partition	20d @ 16 c/c.
Continuous headers to joists (2x4 flat on edge)	2-20d "	Multiple Studs: Inter nail with 16d @ 16 c/c. (See details for stud arrangement on next sheet)	
" " " " (2x10 & larger)	3-20d "	Laminated Joists: Inter nail with 16d @ 16 c/c.	
Square Tail Sheathing 1x6	2-8d at all bearings	Double Joists under Fixed Loads:	
" 1x8	3-8d " " " "	where not blocked apart	16d @ 16 c/c.
Diagonal Sheathing. 1x6	3-8d at ends of all boards	where blocked apart (for piping)	8-20d at ea. block at joist
" 1x8	2-8d at intermediate bearings	Ribbons:	
	4-8d " ends of all boards	2" nominal	2-16d ea. stud
	3-8d at intermediate bearings	1" nominal	2-8d ea. stud
2" Sheathing 2" nom.	2-16d at all bearings	Joists or Rafters to side of studs:	
Furring Strips 2-16d Nails at ea. bearing	1 face nailed (At plaster ceiling 1 Stand nailed (At plaster ceiling	For 2 joists or less	3-16d
		For each additional 4" in depth of joist	1-16d
Miscellaneous: All 2" material shall be nailed with 2-16d and 1" material with 3-8d at each bearing. (2" material and over sheathing shall be nailed with 30d nails.	joists filled between joists per stripping exceeds 2'-0" ctrs. the stripping to supports min. 2 lines of 1" x 4" nailed in addition to nailing called for)		

    (f) Wood Preservative.
    For preservative treatment of wood in contact with concrete and/or masonry or for wood within 2 feet of ground surface, see specifications.

15. **JOIST HANGERS & FRAMING CLIPS.**
    Shall be as manufactured by the Universal Anchor Co. of San Francisco or approved equal.
    For framing clips use 8d nails

    Nailing for Joist Hangers.

Joist Size	2" x 6"	2" x 8"	2" x 8"
To Support	2-8d ea. side	2-10d ea. side	4-10d ea. side
To Joists	4-8d ea. side	4-10d ea. side	4-10d ea. side
Remarks	Clip length to 1½"		

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED FEB 14 1950

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
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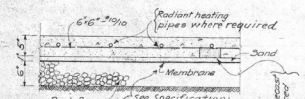
WOODS & LYON REID
1620 POST ST. SAN FRANCISCO 9, CALIF.
ARCHITECT

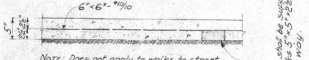
GENERAL NOTES.
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 5410-G
DATE 1-26-54

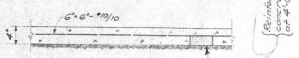
SHEET 18
21
OF 68 SHEETS



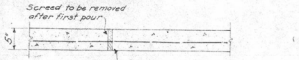
TYPICAL INTERIOR SLAB



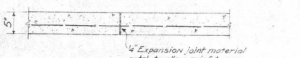
TYP. PORCH, COVERED WALK, CORRIDOR SLAB



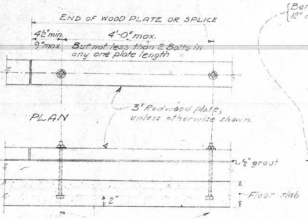
TYPICAL YARDS SLAB



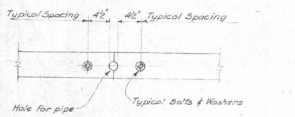
COLD JOINT DETAIL



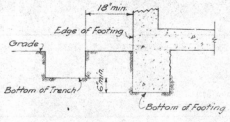
EXPANSION JOINT DETAIL



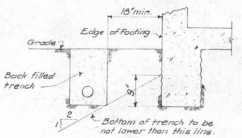
TYPICAL DETAIL OF BOLTING WOOD PLATE TO CONCRETE



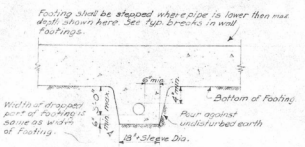
DETAIL OF SILL PLATE BOLTING FOR ALL WALLS WHERE O.D. OF PIPE EXCEEDS ⅓ OF NET STUD DIMENSION



OPEN TRENCH

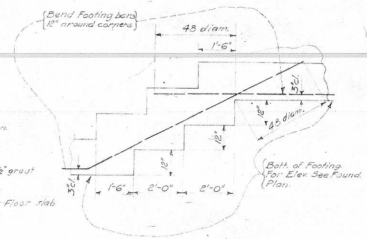


PIPE IN BACK FILLED TRENCH

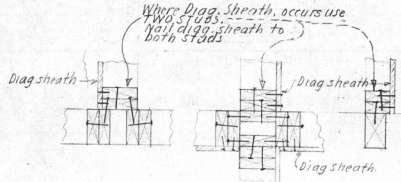


PIPE UNDER FOOTING

TYPICAL DETAILS OF PIPES AND TRENCHES NEAR FOOTINGS.

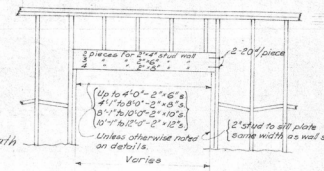


TYP. BREAKS IN WALL FTGS

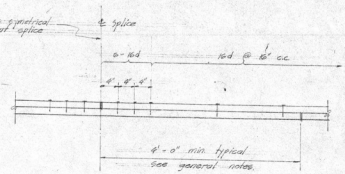


TYPICAL ARRANGEMENT OF STUDS

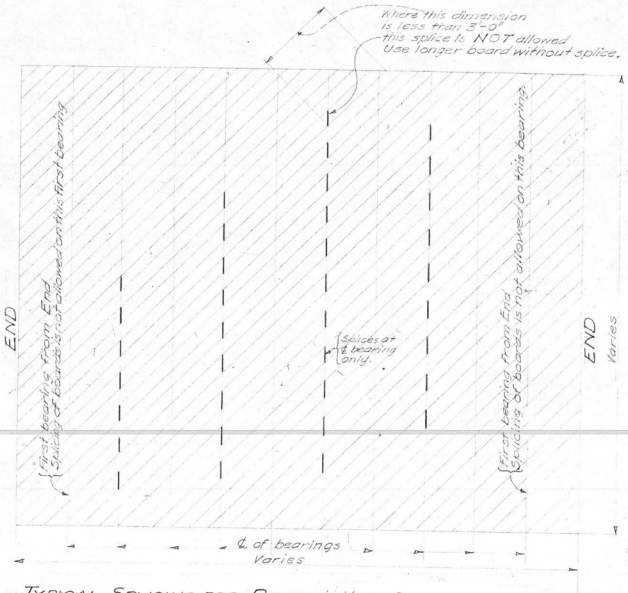
For Nailing see General Note 14 (2) on sheet 21



TYPICAL FRAMING AT OPENINGS



TYPICAL SPLICE - UPPER PLATE



TYPICAL SPLICING FOR ROOF & WALL DIAGONAL SHEATHING

Boards shall preferably be in single lengths. End joints in adjacent boards shall be separated by at least two joist or stud spaces.

BOARD OF TRUSTEES
APPROVED BY LETTER DATED FEB 18 1965
SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED FEB 18 1965

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONNER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
WALNUT CREEK, CALIFORNIA
ARCHITECT
ENGINEER

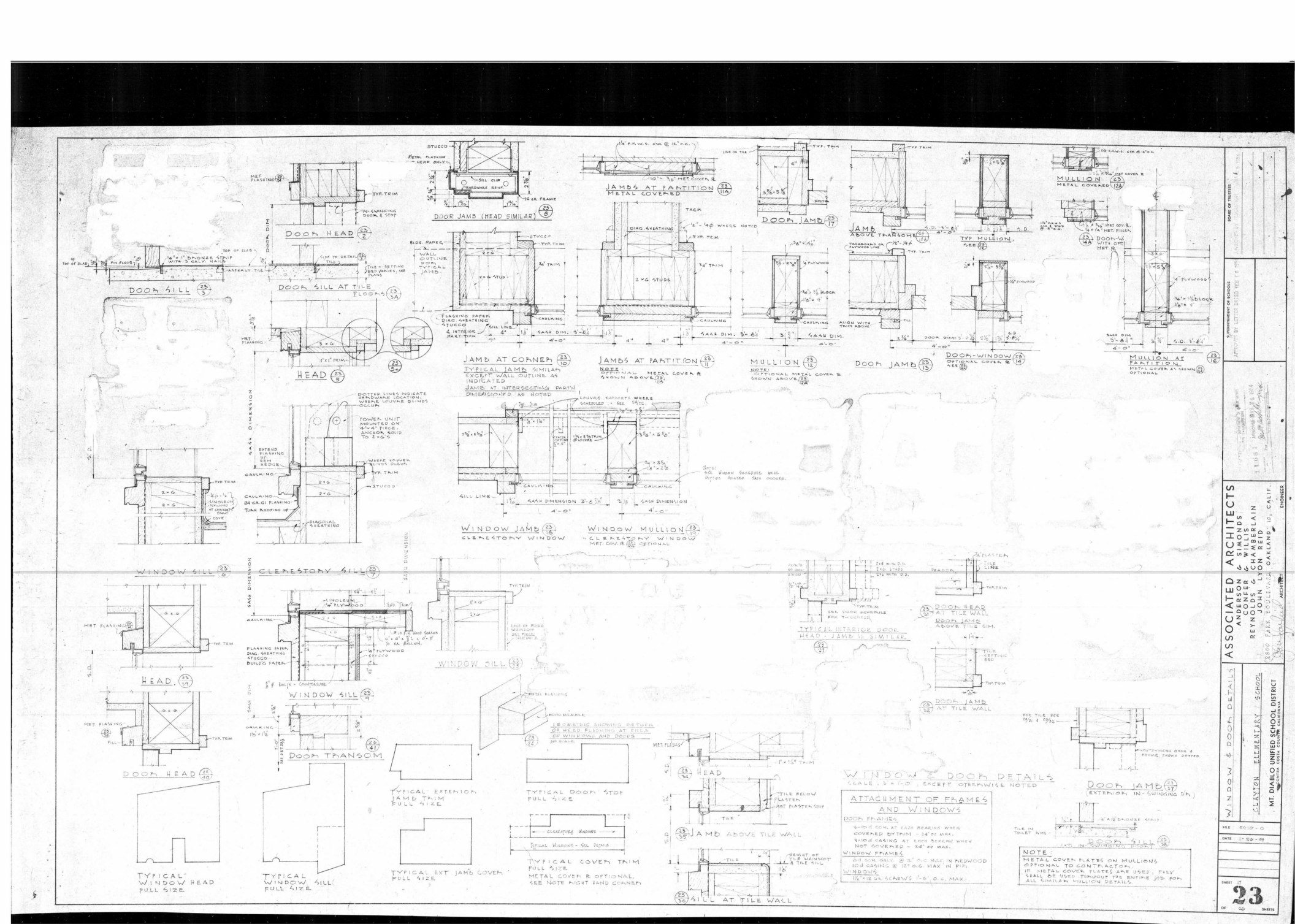
TYPICAL STRUCTURAL DETAILS

CLAYTON ELEMENTARY SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 5410-G
DATE 1-22-64

SHEET 16
22
OF 50 SHEETS



WINDOW & DOOR DETAILS

SCALE: 3"=1'-0" EXCEPT OTHERWISE NOTED

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED BY LETTER DATED FEB 18 1959

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONNER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD OAKLAND 10, CALIF.
ARCHITECT
ENGINEER

WINDOW & DOOR DETAILS

CLAYTON ELEMENTARY SCHOOL

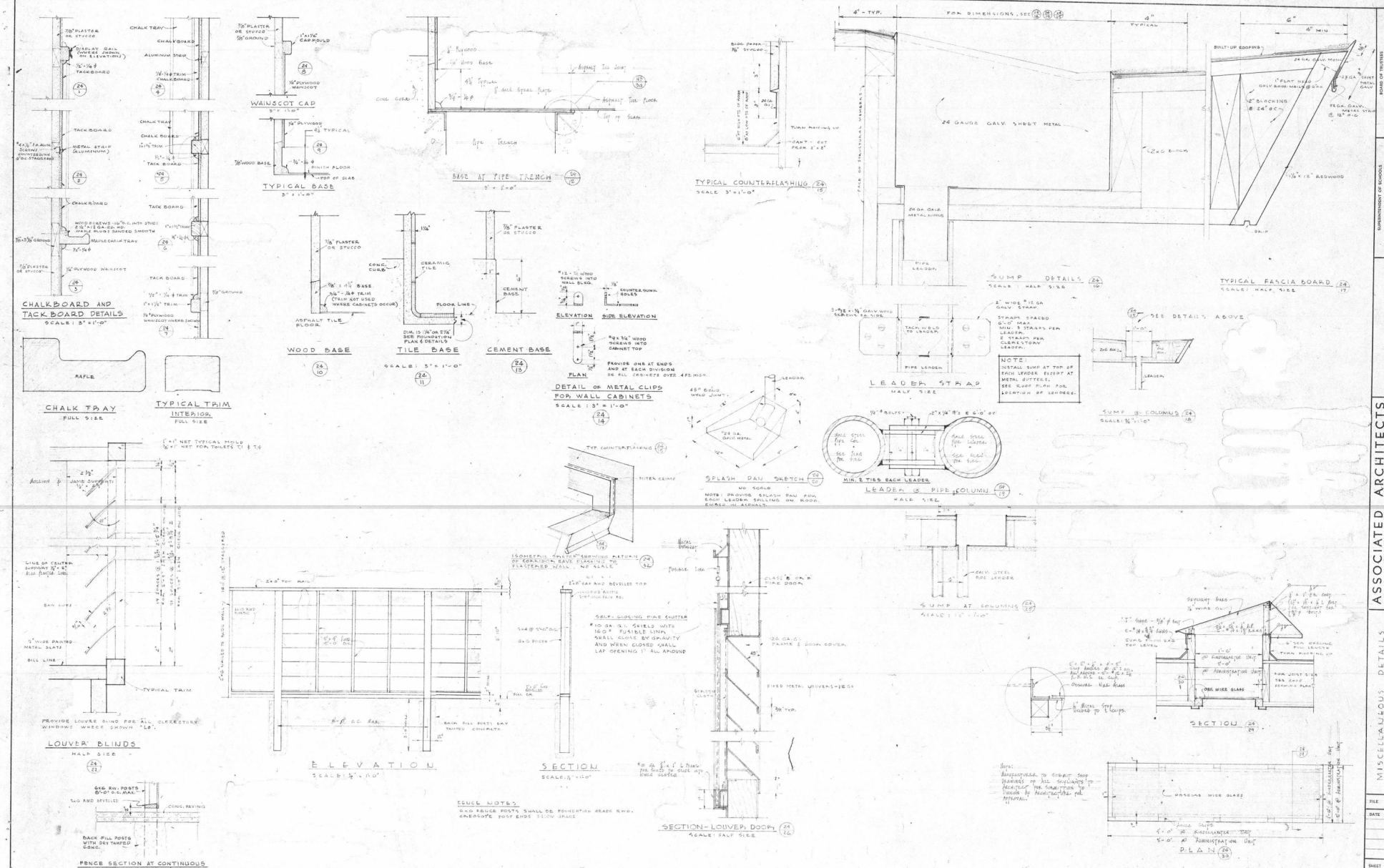
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

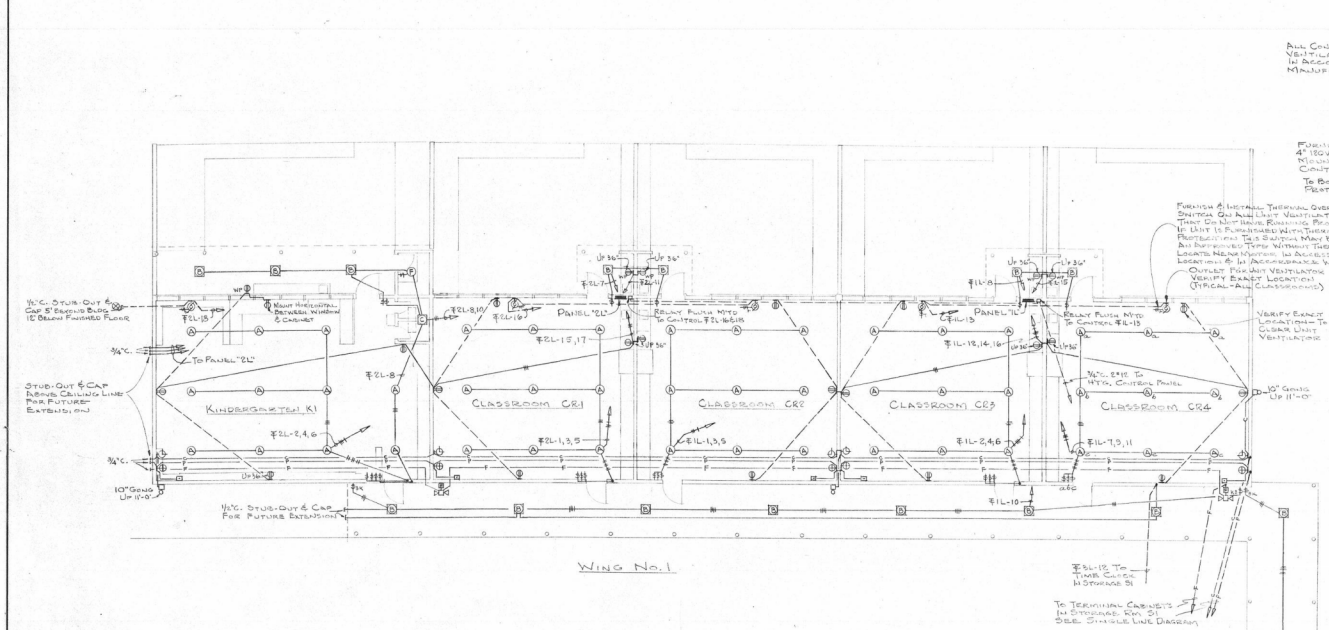
FILE 5410-C

DATE 1-30-59

SHEET 17

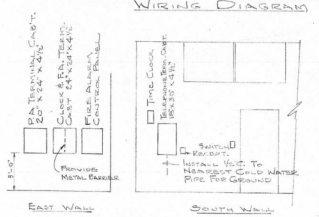
OF 23 SHEETS


CHALKBOARD AND TACK BOARD DETAILS
SCALE: 3" = 1'-0"
CHALK TRAY
FULL SIZE
TYPICAL TRIM
INTERIOR
FULL SIZE
WAINSCOT CAP
3" = 1'-0"
TYPICAL BASE
3" = 1'-0"
BASE AT PIPE TRENCH
3" = 1'-0"
TYPICAL COUNTERFLASHING
SCALE 3" = 1'-0"
WOOD BASE
TILE BASE
SCALE: 3" = 1'-0"
CEMENT BASE
DETAIL OF METAL CLIPS FOR WALL CABINETS
SCALE: 3" = 1'-0"
ELEVATION
SIDE ELEVATION
PLAN
PROVIDE ONE AT ENDS AND AT EACH DIVISION ON ALL CABINETS OVER 4 FT. HIGH.
SUMP DETAILS
SCALE: HALF SIZE
TYPICAL FASCIA BOARD
SCALE: HALF SIZE
LEADER STRAP
HALF SIZE
NOTE: INSTALL SUMP AT TOP OF EACH LEADER EXCEPT AT METAL GUTTERS. SEE ROOF PLAN FOR LOCATION OF LEADERS.
SUMP @ COLUMNS
SCALE: 1½" = 1'-0"
SPLASH PAN SKETCH
NO SCALE
NOTE: PROVIDE SPLASH PAN FOR EACH LEADER SPILLING ON ROOF, EMBED IN ASPHALT.
MIN. 2 TIES EACH LEADER
LEADER @ PIPE COLUMN
HALF SIZE
SUMP AT COLUMNS
SCALE: 1½" = 1'-0"
ISOMETRIC SKETCH SHOWING RETURN OF CORRIDOR EAVE FLASHING TO PLASTERED WALL - NO SCALE
LOUVER BLINDS
HALF SIZE
PROVIDE LOUVER BLIND FOR ALL CLERESTORY WINDOWS WHERE SHOWN "LB".
ELEVATION
SCALE: ½" = 1'-0"
SECTION
SCALE: ½" = 1'-0"
SECTION - LOUVERED DOOR
SCALE: HALF SIZE
SECTION
SKYLIGHT DETAILS
SCALE 1½" = 1'-0"
PLAN
FENCE NOTES
6x6 FENCE POSTS SHALL BE FOUNDATION GRADE REDWOOD OR CREOSOTE POST ENDS BELOW GRADE
FENCE SECTION AT CONTINUOUS SLAB BETWEEN OUTDOOR CLASSROOMS
SCALE: ¾" = 1'-0"
REDWOOD RUSTIC FENCE DETAILS
ASSOCIATED ARCHITECTS
ANDERSON & CONER
SIMONDS & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN REID
1200 PARK BOULEVARD OAKLAND 10, CALIF.
ARCHITECT
ENGINEER
MISCELLANEOUS DETAILS
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA
FILE 8410-6.0
DATE 1-28-59
SHEET 18
24
OF 60 SHEETS

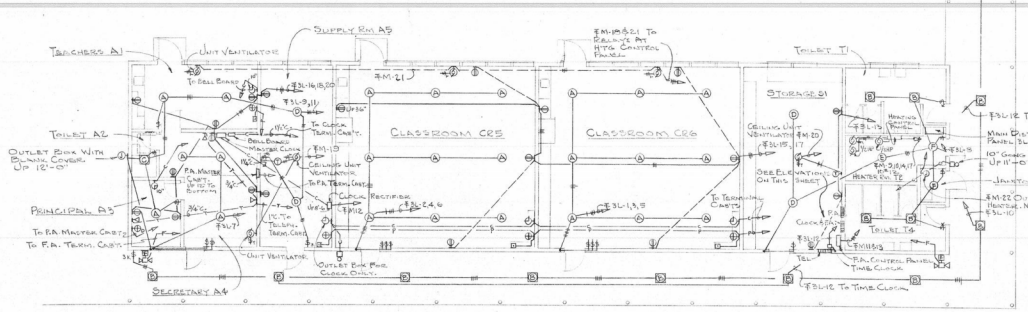


WING NO. 1

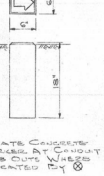
AREA CONTROL OF HEATING
WIRING DIAGRAM



ELEVATIONS - STORAGE RM. S1
SCALE 1/4"=1'-0"



WING NO. 2



CONCRETE POST
CONDUIT MARKER

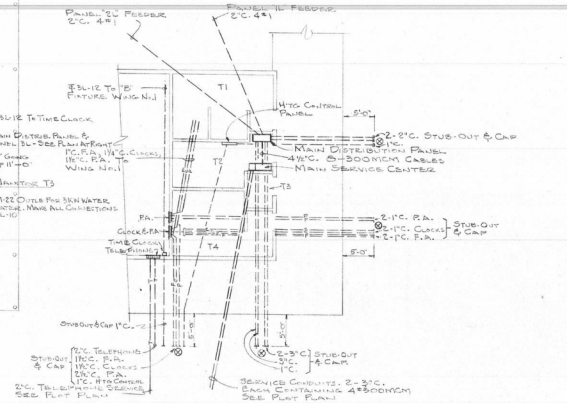
FLOOR PLAN
SCALE 1/8"=1'-0"

NOTES:
1. Conduit Shall Not Be Installed In Or Under Floor Unless Shown Underground On Plan Or Approved By Architect.

Contractor Shall Verify Exact Location Of All Motor Outlets, Exact Type Of Outlet & Shall Coordinate The Installation Between The Various Trades. All Wiring Shall Be In Conduit.

All Service Conduits Entering Building & All Underground Conduits Between Building Wings Shall Be Sealed With Caulking & Mastic At Pull Boxes, Panels And Terminal Cabinets After Wire Has Been Pulled In. Spare Conduits Shall Be Capped At Both Ends.

See Heating Drawings For Boiler Room Layout. Contractor Shall Install All Control Wiring For Boilers, Motors, Etc. In Accordance With Heating Drawings & Specifications & Manufacturers Diagrams. All Control Wiring Shall Be Color Coded & Shall Be In Conduit.



PARTIAL PLAN - EAST END OF
WING NO. 2
SCALE: 1/8"=1'-0"

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA, CALIFORNIA

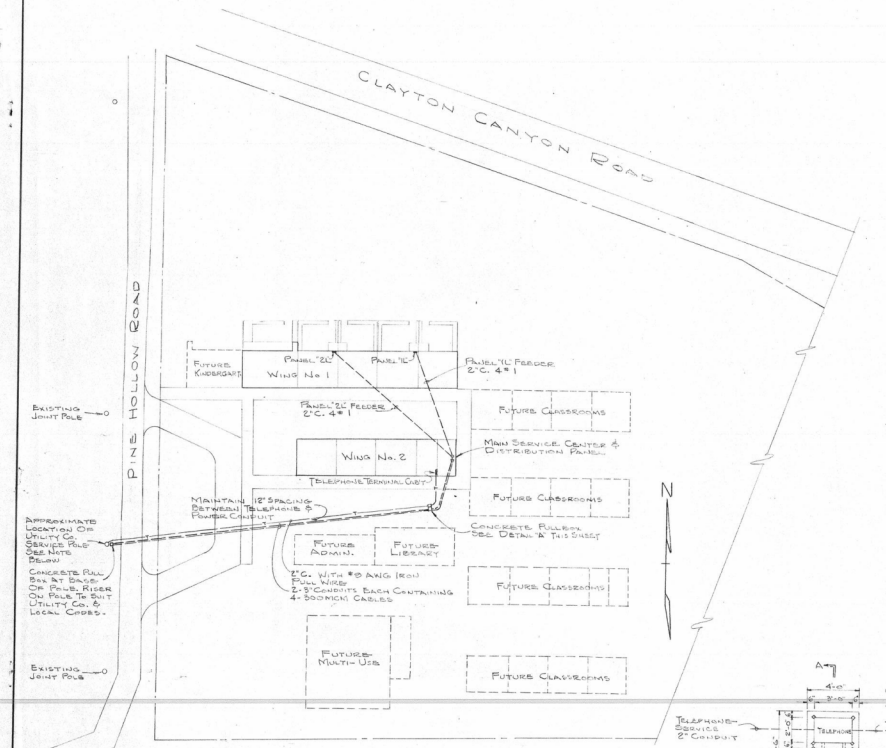
CLAYTON ELEMENTARY SCHOOL

ELECTRICAL FLOOR PLAN

FILE 8410-C
DATE 1-20-64

SHEET 23
E 1
OF 28 SHEETS

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS



Plot Plan

Scale: 1" = 40'

Notes: Contractor Shall Consult And Arrange With Utility Co. And Telephone Co. To Determine Their Exact Requirements. The Service Installation Shall Conform To Their Requirements & Shall Be In Accordance With National, State, And Local Codes. The Contractor Shall Furnish All Labor & Materials And Pay All Costs That Are Not Furnished Or Paid By The Utility Co. Or Telephone Co.

Minimum Burial Of All Underground Conduits Shall Be 24" Below Finished Grade.

All Service Wiring & Panel Feeders Shall Be Simplex, "Anhydroprene" Or Approved Equal.

Panelboard Schedule

Lighting Panels Shall Be Westinghouse, Or Approved Equal, Type NLAB With "Quicklag" Circuit Breakers. Faults Shall Be Assembled For 120/208 Volt, 3 Phase, 4 Wire, S/N Operation. Branch Circuits Shall Be As Follows:

Panel "1L" — Flush Mounted

Cir. No.	Bus	Amp.	Volts	Remarks
Main	S	100	208	
1L-1 To 1L-11	1	20	120	Lights
1L-12	1	20	120	Receptacles
1L-13	1	20	120	Unit Vents.
1L-14 To 1L-16	1	20	120	Receptacles
1L-17 To 1L-20	1	20	120	Spares

Panel "2L" — Flush Mounted

Cir. No.	Bus	Amp.	Volts	Remarks
Main	S	100	208	
2L-1 To 2L-8	1	20	120	Lights
2L-9	1	20	120	Spares
2L-10	1	20	120	Lights
2L-11 To 2L-14	1	20	120	Spares
2L-15	1	20	120	Receptacles
2L-16	1	20	120	Unit Vents.
2L-17	1	20	120	Receptacles
2L-18	1	20	120	Unit Vents.
2L-19 To 2L-20	1	20	120	Spares

Panel "BL" (Incorporate In Main Distrib. Panel)

BL-1 To BL-12	1	20	120	Lights
BL-13	1	20	120	Receptacles
BL-14	1	20	120	Spare
BL-15 To BL-18	1	20	120	Receptacles
BL-19	1	20	120	Spare
BL-20	1	20	120	Receptacle

Main Distribution Panel — See Drawing On This Sheet & Read Specifications.

M1		400	208	Space
M2		150	208	Space
M3		100	208	Space
M4		100	208	Space
M5		100	208	Spare
M6		100	208	Spare
M7		100	208	Panel "1L"
M8		100	208	Panel "2L"
M9		50	208	Panel "BL"
M10		15	208	¾ HP Pump
M11		15	208	¾ HP Pump
M12		20	120	Fire Alarm
M13		20	120	Clock Rectifier
M14		20	120	Pass Along
M15		20	120	½ HP Pump
M16		20	120	Spare
M17		20	120	Spare
M18		20	120	Htg. Control
M19 To M21		20	120	Unit Vents
M22	2	20	120	Sw. Water Htr.

Fixture Schedule

A — Smoot-Holman "Educator" Suspended Fixture, Cat. No. RS-1505, Complete With 500 Watt Silvered Bowl Lamp, Stem, Aligners, & Ceiling Canopy. Overall Length Is 30⅛". Finish Of Complete Unit Shall Be White.

B — Kirlin Recessed Fixture, Cat. No. 1205, Complete With 150 Watt Lamp.

C — Kirlin Recessed Fixture, Cat. No. 1207, Complete With 100 Watt Lamp.

D — Smoot-Holman Ceiling Light, Cat. No. LH-1112, Complete With 2-100 Watt Lamps.

E — Smoot-Holman "Shurlock" Slim Standard Dome, Reflector, With Cutlery Box Hood, Cat. No. 13,816, Complete With 500 Watt Lamps.

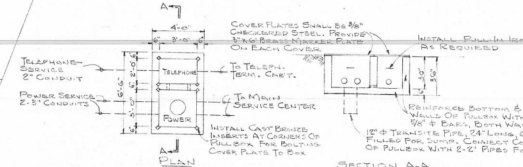
F — Smoot-Holman "Glow Beam" Ceiling Mounted Fixture, Cat. No. V2-115, Complete With 100 Watt Lamp.

Note: Contractor Shall Furnish All Data To Show Type 'A' Fixtures Are Earthquake Resistant As Required By The State Division Of Architecture.

Symbol List

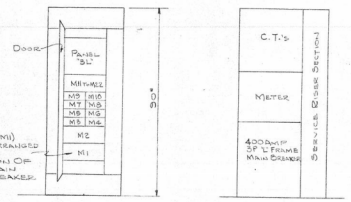
- Ⓐ Ceiling Mounted Or Stem Suspended Lighting Fixture, Capital Letter Denotes Fixture Type, Small Letter Indicates Controlling Switch.
- ○ Wall Mounted Fixture, Letters Same As Above.
- □ Recessed Fixture, Letters Same As Above
- ◑ Junction Or Pull Box
- ⊖ Duplex Convenience Outlet, Up 12" Unless Noted
- WP Weather Proof Conv. Outlet, Flush, With Screw-On Cover.
- $ Single Pole Tumbler Switch, Up 48"
- $3 3-Way Tumbler Switch, Up 48"
- $K Key Switch, Up 48" H&N #1281 & 1285 Plate (Indoors) & #1281-WP Outside.
- Ⓜ Motor Outlet
- Disconnect Switch, Size As Req'd.
- MT Motor Starting Thermal Overload Switch Up 5'-0" Unless Otherwise Indicated.
- Program Clock & Buzzer, Up 8'-5" Unless Otherwise Indicated.
- Program Bell, 6" Or 10" As Indicated. Up 7'-0" Unless Otherwise Noted
- F Fire Alarm Break Glass Station, Up 5'-0"
- Fire Alarm Horn, Up 7'-0" Unless Noted
- Public Address Speaker Outlet, Up 8'-5" Unless Otherwise Noted.
- Public Address Desk Speaker Outlet Up 15"
- Public Address Pushbutton Station, Up 48"
- T Telephone Outlet, Up 12"

- Lighting Panel, 6'-6" Floor To Top Of Cabt.
- Terminal Cabinet.
- Branch Circuit In Conduit Concealed In Ceiling Or Wall.
- Branch Circuit In Conduit In Or Under Floor Slab.
- Home Run To Panel, Crosslines Indicate Number Of Wires, 2 = 2 In ½" Conduit Unless Otherwise Indicated
- IL-5 Circuit Tag. (Circuit 5 In Panel "1L")
- Feeder In Conduit Underground.
- C Clock System Wiring & Conduit.
- F Fire Alarm System Wiring & Conduit.
- P Public Address System Conduit.
- T Telephone System Conduit.
- TH Thermostat & Summer Switch By Heating Ups



Detail 'A' - Concrete Pullbox

Scale: 1½" = 1'-0"



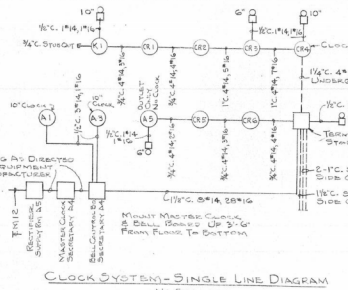
Main Distribution Panel

Scale: ½" = 1'-0"

Main Service Center

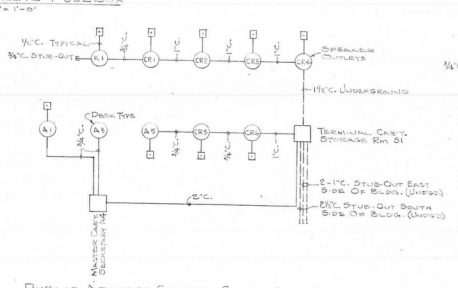
Scale: ½" = 1'-0"

Notes:
See Panelboard Schedules For Circuit Breaker Ratings. See Specifications For Further Description Of Main Service Center & Distribution Panel.
Contractor Shall Be Responsible To Furnish Panel Manufacturer With Template Of Layout Per Conduits Entering Bottom Of Main Distribution Panel To Insure Sufficient Clearance For Conduits.



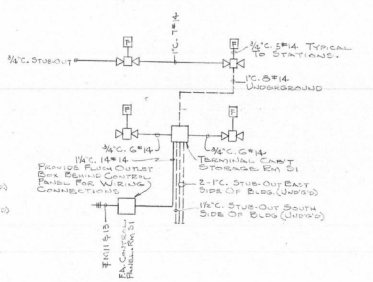
Clock System - Single Line Diagram

No Scale



Public Address System - Single Line Diagram

No Scale



Fire Alarm System - Single Line Diagram

No Scale

Board Of Trustees
Approved As Noted Dec. 13, 1956
Superintendent Of Schools
Approved As Noted Dec. 13, 1956

ASSOCIATED ARCHITECTS
SIMONDS & WILLIS
ANDERSON & CONFER
REYNOLDS & CHAMBERLAIN
CLAUSEN & LYON
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ENGINEER
ARCHITECT

ELECTRICAL PLOT PLAN

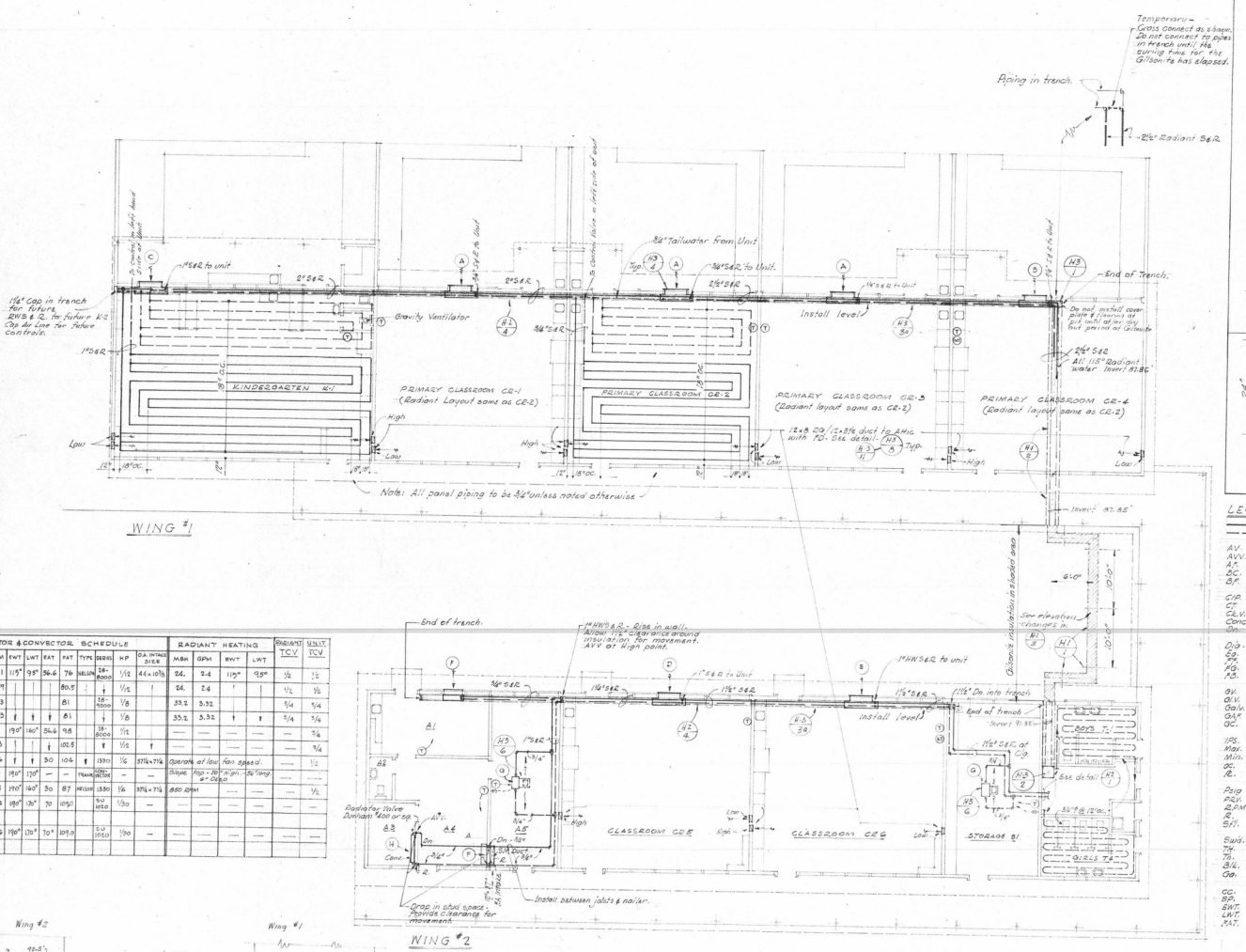
CLAYTON ELEMENTARY SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 1416-E

DATE 1-28-57

SHEET 25
OF 29 SHEETS
E2



UNIT HEATER, VENTILATOR & CONVECTOR SCHEDULE														RADIANT HEATING				RADIANT TCV	UNIT TCV
ROOM	MARK	CFM @ 70°F	MCFM O.A.	CFM MIN.	TOTAL MBH	GPM	EWT	LWT	EAT	LAT	TYPE	SERIES	HP	O.A. INTAKE SIZE	MBH	GPM	RWT	LWT		
CR. 1-2-3	A	1000	333	21-	72.1	11.5°	95°	56.6	76	BELOW	28-8000	1/12	44 x 10½	24.	2.4	115°	93°	½	½
CR-4	B	1000	333	35.9	89.9				80.5		↓	½	↑	24.	2.4	↑	↑	½	½
K-1	C	1350	417	33.	5.3				81		18-5000	⅛		33.2	3.32			¾	¾
K-2 (FUTURE)	C	1250	417	33	3.5	↑	↑	↑	81		↓	⅛		33.2	3.32	↑	↑	¾	¾
CR. 5	D	1000	333	45.	3	190°	140°	54.6	98		18-8000	½		—	—	—	—	—	¾
CR. 6	B	1000	333	49.5	3.3	↑	↑	↓	102.5		↓	½	↑	—	—	—	—	—	¾
A-1	F	404	404	32.3	2.16	↑	↑	30	104	↓	1310	⅛	3714 x 7¼	Operate at low fan speed.				—	½
A-3	H	—	—	9.	.9	190°	170°	—	—	TEMP.	CONTROLS	—	—	Slope top - for high - 36" long a - Deg.				—	—
A-4	F	606	606	56.6	1.64	190°	160°	30	87	WELSH	1330	⅛	3714 x 7¼	880 BTUH				—	½
A-5	G	472	—	764	2.04	180°	130°	70	109.0		SU 1010	⅛	—					—	—
																		—	—
S-1	G	415	—	804	2.04	190°	170°	70°	109.0		SU 1010	⅛	—					—	—
																		—	—

LEGEND - SYMBOLS & ABBREVIATIONS

Hot Water Supply
Hot Water Return

AV.	Angle Valve.	FAI.	Fresh Air Inlet
AVV.	Air Vent Valve.	cfm.	cubic feet per minute.
A.F.	Above Floor.	EAT.	Entering Air Temperature
BC.	Balance Cock.	LAT.	Leaving Air Temperature
BF.	Below Floor.	Htg.	Heating
C.I.P.	Cast in place.	Vent.	Ventilating
CT.	Capped Tee.	EP.	Electric Pneumatic
C.V.	Check Valve.	P.E.	Pneumatic Electric
Conc.	Concrete.	Un.	Union
Cn.	Cleanout.	TCV.	Temperature Control Valve
Dia.	Diameter	S.	Supply
Eq.	Equal	ER.	Eccentric Reducer
F.F.	Finished Floor	HWS.	Hot Water Supply } High Temp.
F.G.	Finished Grade	HWR.	Hot Water Return }
F.B.	Flat Bar	RWS.	Radiant Water Supply
GV.	Gate Valve	RWR.	Radiant Water Return
G.V.I.	Globe Valve	N.O.	Normally open
Galv.	Galvanized	N.C.	Normally closed
G.A.F.	Galv. After Fabrication	S.M.	Sheet Metal
G.C.	General Contractor	Sq.	Square
I.P.S.	Iron Pipe Size	Reg.	Register
Max.	Maximum	Wt.	Weight
Min.	Minimum	F.A.	Fresh Air
oc.	on center	Exp.	Expansion
Pl.	Plate	B.U.	British thermal unit
Psig	Pounds per square inch gauge.	TDH.	Total dynamic head.
PRV.	Pressure Reducing Valve	UH.	Unit Heater
R.P.M.	Revolutions per minute	UV.	Unit Ventilator
R.	Riser — Return	Conn.	Connector
St'l.	Steel	Grd.	Gravel Grille
Sws.	Screwed	Clg.	Ceiling
TH.	Terminate here	S.	switch
Th.	Thermometer	AP.	Access Panel
B/L	Black	Flex. Conn.	Flexible Connection
Ga.	Gauge - USS		
CC.	canvas connection	L	Angle
SP.	Static pressure	ø	round.
EWT.	Entering Water Temperature	T	Thermostat
LWT.	Leaving Water Temperature	LD	Life depression thermostat
FAT.	Final Air Temperature	H1/1	Sheet number. Detail number

GENERAL NOTES

Provide AVV where shown & where necessary to bleed system. Pipe discharge of all AVV's concealed to points indicated or req. All thermostats to be installed 5'-0" above Floor.
Pipe all relief valves to floor.
Location of all fixtures & equipment shall be as indicated on architectural plans, elevations or details. Layout & size of Heating System shall be as shown by plans and/or specifications.
This Contractor shall apply for & obtain approval of the Hartford Steam Boiler Inspection & Insurance Co., before completion of the work.
Unless otherwise noted, all oil piping 99# black steel.
Mark & protect all piping stubs in ground etc for future piping.

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED FEB 15 1955

ASSOCIATED ARCHITECTS
SIMONDS & WILLIS
CONFER & CHAMBERLAIN
REYNOLDS & JOHN LYON
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ENGINEER
ARCHITECT

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

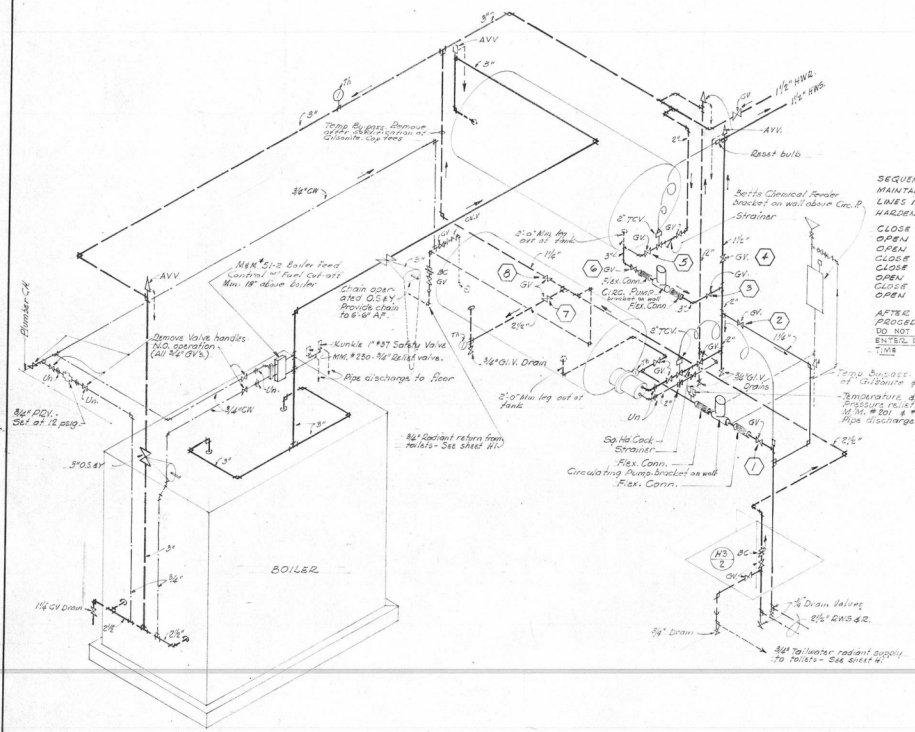
CLAYTON ELEMENTARY SCHOOL

HEATING FLOOR PLAN & DETAILS

FILE 64.0 - G
DATE 1-15-58

SHEET 19
OF 26 SHEETS
H 1

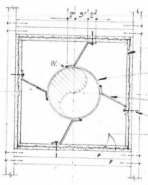
G. M. RICHARDS
CONSULTING MECHANICAL ENGINEER
1734 FRANKLIN STREET, S. F. 9173
M.J.S.
W.B.



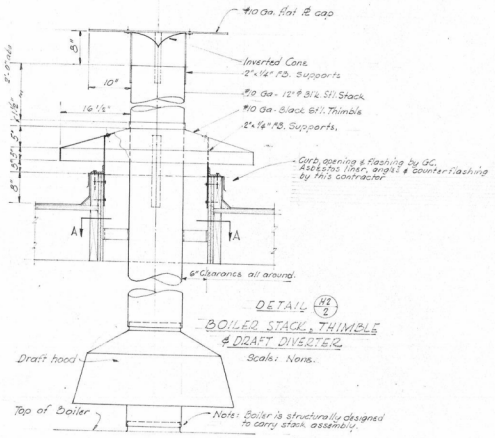
SEQUENCE OF OPERATION TO OBTAIN & MAINTAIN 200° WATER IN RADIANT S & R LINES IN GILSULATE FOR PURPOSE OF HARDENING FOR A PERIOD OF SEVEN DAYS:

CLOSE VALVE NO. 1
OPEN VALVE NO. 2
OPEN VALVE NO. 3
CLOSE VALVE NO. 6
CLOSE VALVE NO. 5
OPEN VALVE NO. 6
CLOSE VALVE NO. 7
OPEN VALVE NO. 8

AFTER HARDENING PERIOD, REVERSE PROCEDURE FOR NORMAL OPERATION. DO NOT PERMIT HIGH TEMPERATURE WATER TO ENTER RADIANT FLOOR HEATING SYSTEM AT ANY TIME

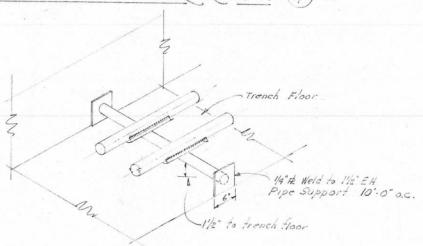


PLAN AT 1A-A1

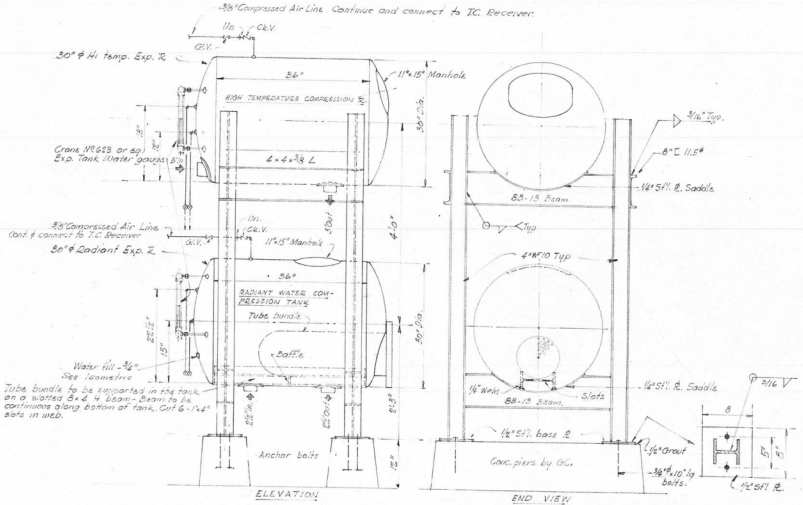


DETAIL (H2/2)
BOILER STACK, THIMBLE & DRAFT DIVERTER
Scale: None.

ISOMETRIC OF PIPING IN HEATER ROOM (H2/1)
Not to scale



PIPE SUPPORT IN TRENCH (H2/4)



DETAIL - EXPANSION TANKS & SUPPORTS (H2/3)
Scale: 1"=1'-0" (All welded construction)

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN J. LIEDING
2800 PARK BOULEVARD OAKLAND 10, CALIF.
ARCHITECT ENGINEER

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

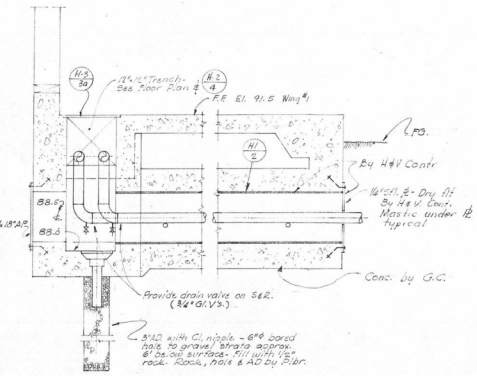
CLAYTON ELEMENTARY SCHOOL

HEATING DETAILS

FILE 5510-6
DATE 11-30-54

SHEET H2
OF 60 SHEETS

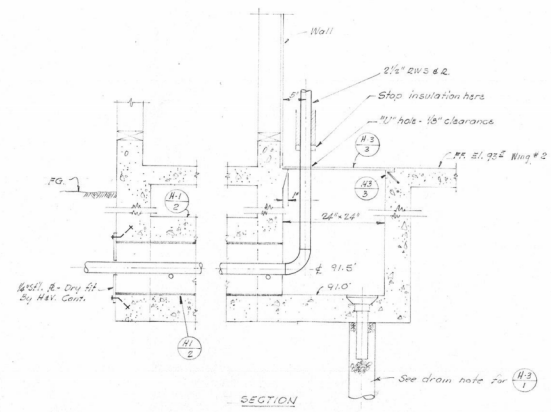
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED SEP 8 1954



SECTION

DETAIL - PIT IN CLASSROOM CR-4 (H3/1)

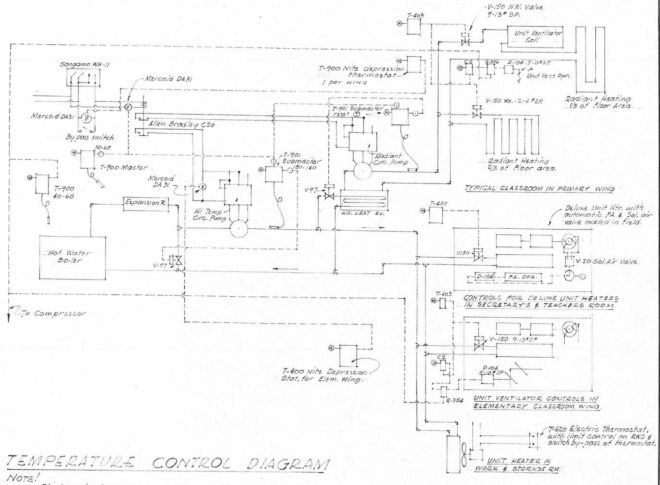
Scale: 1" = 1'-0" (Conc. work by G.C.)



SECTION

DETAIL - PIT IN HEATER ROOM (H3/2)

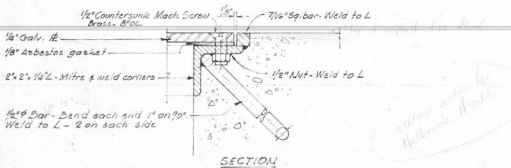
Scale: 1" = 1'-0" (Conc. work by G.C.)



TEMPERATURE CONTROL DIAGRAM

Note: Electrical wiring shown is diagramatic only - See Elect. dwgs.

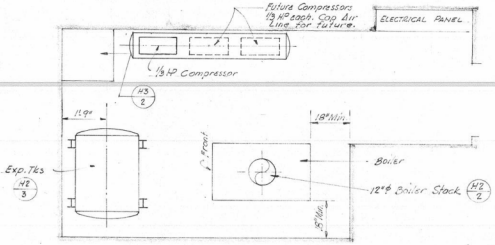
(H3/3a) TRENCH COVER WINGS 1 & 2 SIMILAR By G.C.



SECTION

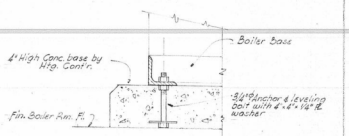
DETAIL - PIT FRAME & COVER (H3/3)

Not to scale (All by Htg. Contractor)



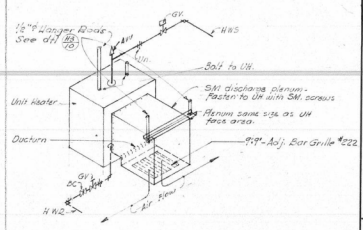
PLAN OF HEATER ROOM SHOWING EQUIPMENT LOCATION

Scale: 1/4" = 1'-0"



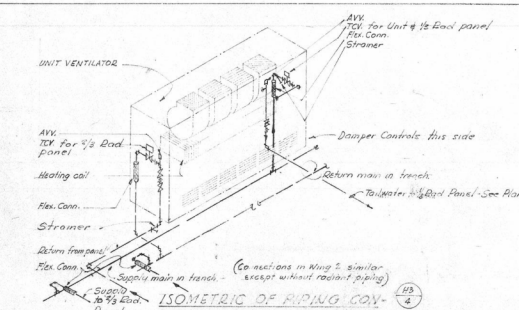
DETAIL - BOILER ANCHOR (H3/5)

Not to scale.



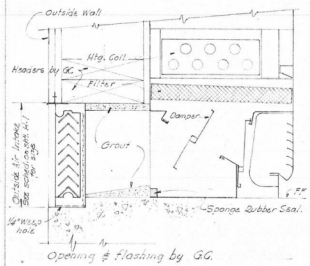
DETAIL - UNIT HEATER INSTALLATION (H3/6)

Not to scale



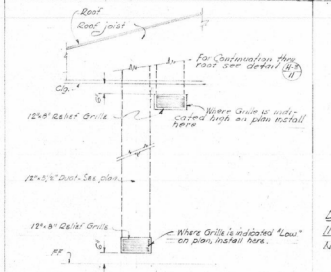
ISOMETRIC OF PIPING CONNECTIONS IN UNIT VENTILATOR WITH RADIANT (H3/4)

Not to scale.



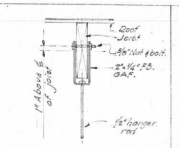
SECT - U.V. OUTSIDE AIR INTAKE (H3/7)

Not to scale.



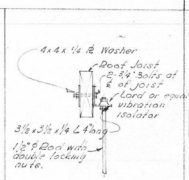
DETAIL - CLASSROOM RELIEF VENT (H3/8)

Not to scale



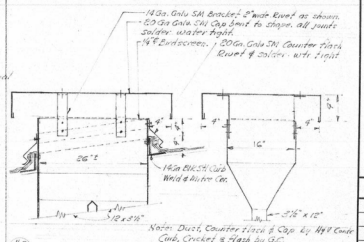
DETAIL - PIPE HANGER IN ATTIC SPACE (H3/9)

Not to scale



UNIT HEATER HANGER (H3/10)

Not to Scale



(H3/11) DETAIL - ROOF VENT CAP Not to Scale

APPROVED BY BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED BY LETTER DATED

ARCHITECTS
ASSOCIATED
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

CLAYTON ELEMENTARY SCHOOL

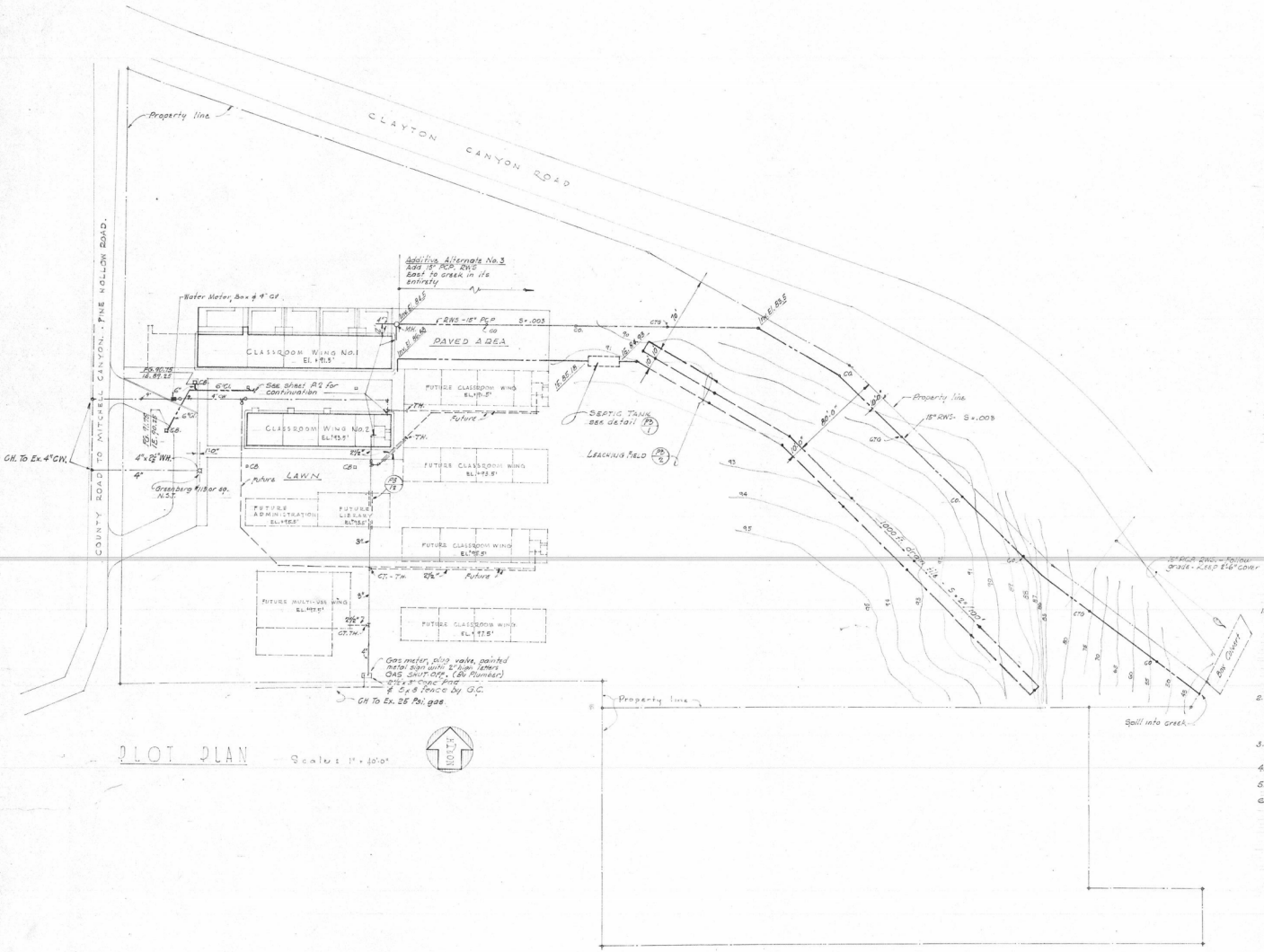
HEATING DETAILS

FILE 54.10 - G

DATE - 58 - 59

SHEET 61

OF H 3 SHEETS



LEGEND

- Soil or Waste in ground
- Rainwater Sewer
- Vent
- Cold Water
- Hot Water
- Gas.

SYMBOLS & ABBREVIATIONS

A.D.	Area Drain.	PCP	Precast Concrete Pipe
AV.	Angle Valve	PL.	Plate
A.F.	Above Floor	PRV.	Pressure Reducing Valve
BC.	Balance Cock	RWL.	Rainwater leader
B.F.	Below Floor	RWS.	Rainwater Sewer
C.I.P.	Cast in Place.	Rm.	Room
CO.	Clean out	Sk.	Sink.
C.O.T.	Clean out thru grade	S.Sk.	Service Sink.
C.O.F.	Clean out thru floor	S.O.	Shut-off
C.B.	Catch Basin	Scrd.	Screened
CT.	Capped Tee	TH.	Terminate here.
CH.	Connect here	Un.	Union
CP.	Chromium Plated	U.	Urinal
CR.	Class Room.	V.	Vent
Conc.	Concrete	VR.	Vent Riser
CI.	Cast Iron	VTR.	Vent thru roof
DF.	Drinking Fountain	VAS.	Valve Access
Dia.	Diameter	W.	Weld - Waste - Watts
El.	Elevation	WC.	Water Closet
EX.	Existing	SWB	Street Washer Box
Eq.	Equal	SS.	Sanitary Sewer
F.F.	Finished Floor	WH.	Wharf " Hydrant
FG.	Finished Grade	CW.	Cold Water
FEC.	Fire Extinguisher Cabinet	HW	Hot Water
F.B.	Flat Bar	G.	Gas
F.D.	Floor Drain	PSIG.	Pounds per square inch gauge
GV.	Gate Valve	VCP.	Vitrified Clay Pipe
GbV.	Globe Valve	MH.	Manhole
Galv.	Galvanized	EWH.	Electric Water Heater.
GAF.	Galvanized after fabrication	STL.	Steel
GC.	General Contractor	N.S.T.	National Standard thread outlet
HB.	Hose Bibb.	P.L.	Property line.
I.P.S.	Iron Pipe Size		
Inv.El.	Invert Elevation		
I.E.	Invert Elevation		
L.	Lavatory		
Max.	Maximum		
Min.	Minimum		
o.c.	on center		
P.V.	Plug Valve		

GENERAL NOTES

1. Location of all fixtures & equipment to be as indicated on architectural plans, elevations or details. Layout & size of utilities shall be as shown by drawings or specifications of this section.
   Structural plans for vents thru roof shall be fitted with an approved metal shrug plate furnished & installed by General Contractor.
   Elevations are given as closely as data will permit. This Contractor shall verify & site.
   All work shall be installed in full conformity with "Rules & Regulations" including Title 21 relating to the Safety of Design & Construction of School Buildings, Department of Public Works, State of California, Hereinafter section 7293.1 "no piping shall be embedded in structural concrete", section 0206 F, section 1102 F "Proximity of footings" & Uniform Building Code.
2. All work & materials shall be in full conformity with the latest rules & regulations of the State Fire Marshall & the safety orders of the Division of Industrial Safety, Department of Industrial Relations –
   Combine vents where possible - Max. 12" above roof.
   Place all bolts not further than 9" on each side of plumbing pipes where pass thru sill.
3. Cleanouts thru grade to be cast in a 16" square x 8" thick concrete block. Where services are terminated for future extension, location is to be indicated by a 4"x4" x 6'-0" long concrete marker with the service indication cast in top.
4. General Contractor to remove trees within 15'-0" of & of Leaching field.
5. Mark & protect all of the piping stubs in ground etc. for future expansion.
6. Plumber to connect water and gas to equipment in Boiler Room.

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W.S. 9-72

BOARD OF TRUSTEES
APPROVED BY BOARD DATED FEB 14 1954

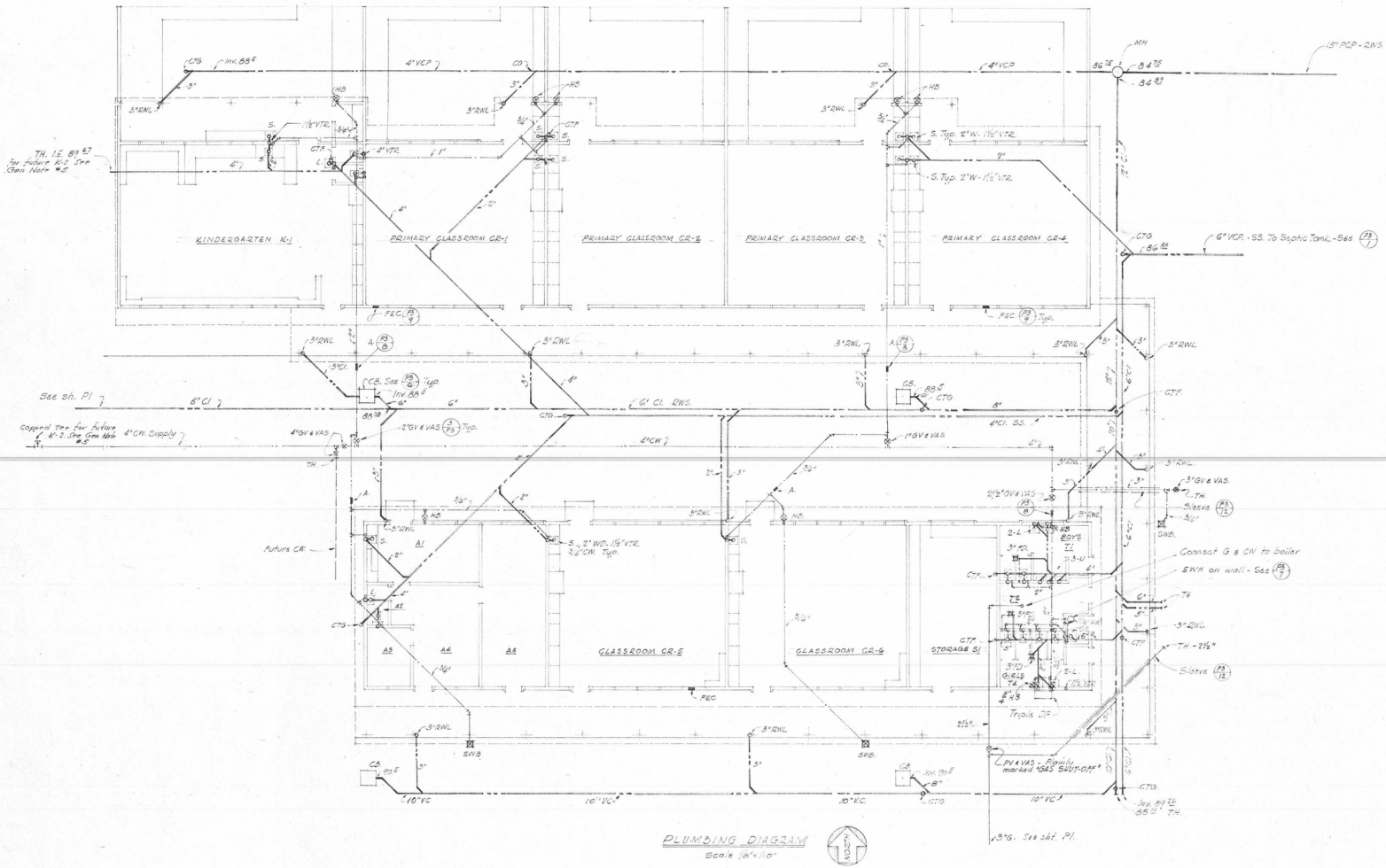
SUPERINTENDENT OF SCHOOLS
APPROVED BY LETTER DATED FEB 14 1954

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

PLOT PLAN & LEGEND
CLAYTON ELEMENTARY SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

FILE 5410-G
DATE 1-28-54

SHEET 29
OF 29 SHEETS
P1


KINDERGARTEN K-1
PRIMARY CLASSROOM GR-1
PRIMARY CLASSROOM GR-2
PRIMARY CLASSROOM GR-3
PRIMARY CLASSROOM GR-4
CLASSROOM GR-5
CLASSROOM GR-6
STORAGE S1
6" VCP - SS. To Septic Tank - See P3/1
15" PCP - RWS.
Connect G & CW to boiler
EWH on wall - See P3/7
Sleeve P3/12
Provide marked "GAS SHUT-OFF"
See sht. P1
See sht. P1
Copper Tee for future 4" CW. Supply
Future CW.
TH. I.E. 89.93 for future R.S. See Gen. Note #5
10" VC.
FEC P3/9 Typ.
CB. See P3/6 Typ.
Triple Oil Trap
Inv. 88.5
Inv. 89.93
Inv. 89.70
Inv. 89.20
Inv. 88.38
Inv. 88.88
Inv. 88.98
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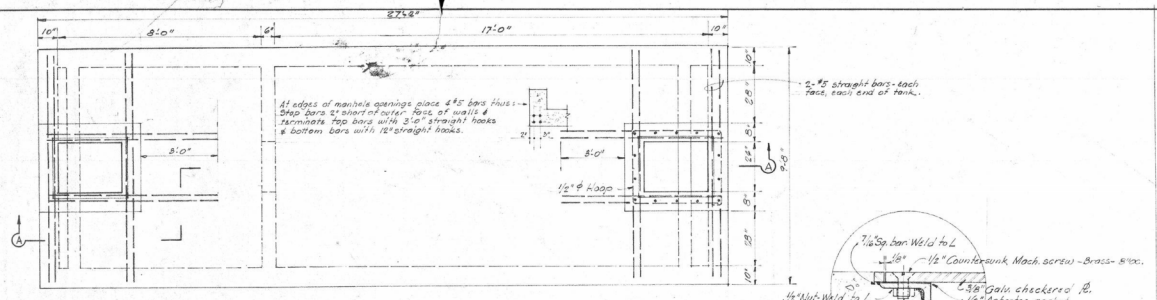
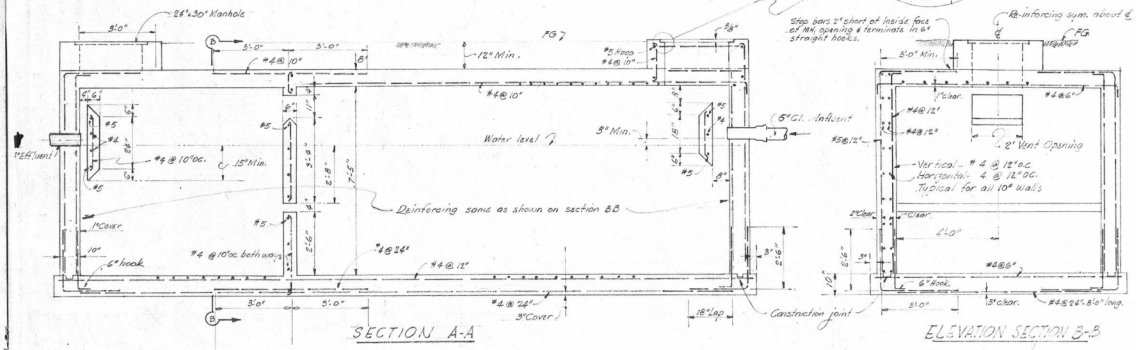
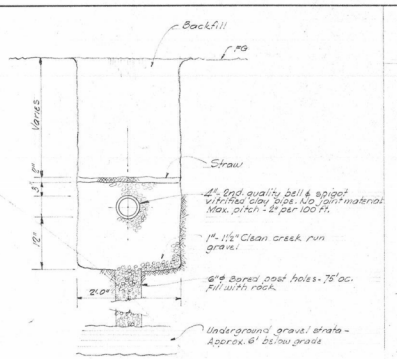




DETAIL OF SEPTIC TANK

Scales: 1/8" = 1'-0"
Note: All backfill to be tamped to satisfactory compaction. / Tank designed for 600 pupils.

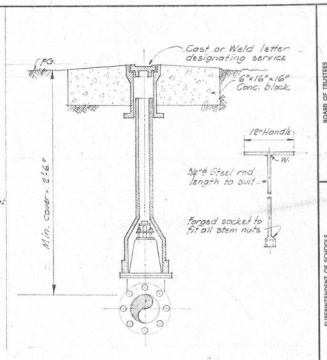
PS/1



SECTION - DETAIL OF LEACHING FIELD

Scale: 1" = 1'-0"

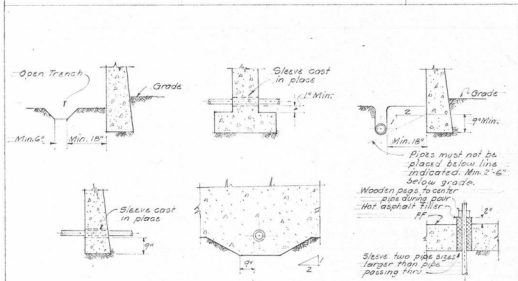
PS/2



DETAIL - VALVE ACCESS SLEEVE & WRENCH

Not to scale

PS/3



NOTE - Pipes must not pass below footings; footings shall be lowered where necessary to obtain the above conditions. Hot asphalt filler between pipe & sleeve to stop seepage.

TYP. SECT. - PIPES PASSING THRU WALLS & FLOORS

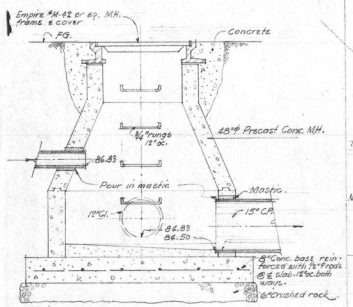
Not to scale

PS/4

FIRE EXTINGUISHER CABINET DETAIL

Scale: 1"=1'-0"

PS/9

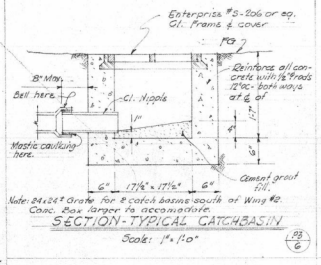


SECT. LOOKING NORTH.

RAINWATER SEWER MANHOLE

Not to scale

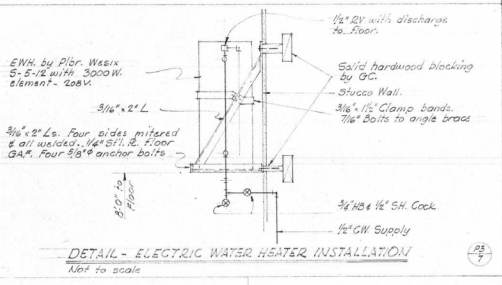
PS/5



SECTION-TYPICAL CATCHBASIN

Scale: 1"=1'-0"

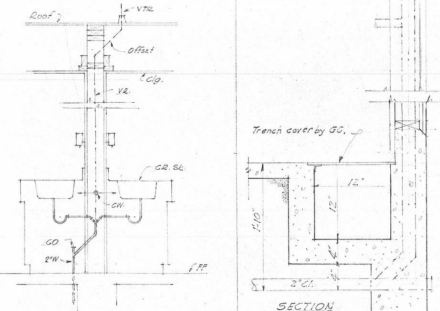
PS/6



DETAIL - ELECTRIC WATER HEATER INSTALLATION

Not to scale

PS/7



CLASSROOM SINK INSTALLATION

Not to scale.

PS/10

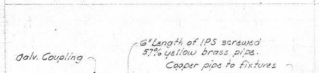
PIPES AROUND HEATING TRENCH (Trench by GC)

PS/11

BENDING SCHEDULE FOR COPPER PIPE

PIPE SIZE	MIN. RADIUS
3/4"	3"
1"	6"
1"	10"
1 1/4"	15"
1 1/2"	20"

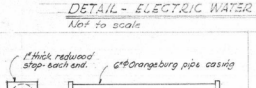
BEND COPPER PIPE IN LIEU OF ELBOWS WHERE POSSIBLE. HEAT SLIGHTLY BEFORE BENDING. FINISHED BENDS SHALL BE SMOOTH & NOT DISTORTED. BENDS SHALL BE MADE WITH APPROVED HACKNEY BENDER. RADIUS GIVEN IS MIN. INSIDE THROAT DIMENSIONS.



DETAIL - COPPER TO GALV. PIPE ADAPTOR

Not to scale.

PS/8



DET. - PIPE SLEEVE UNDER WALKS & BLDGS

Not to scale

PS/12

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ENGINEER
ARCHITECT

BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

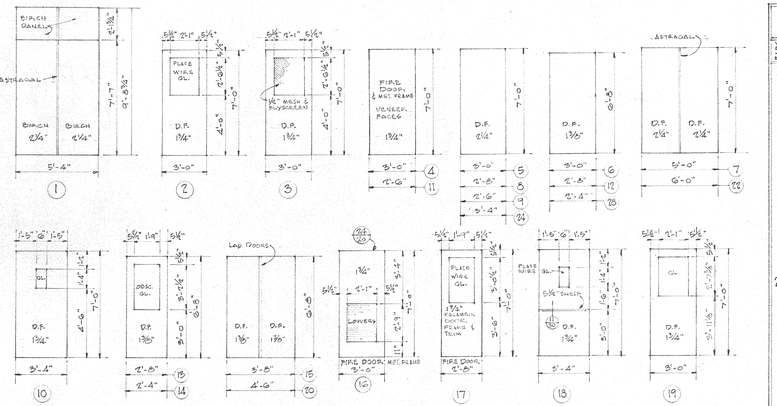
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONCORD, CONTRA COSTA COUNTY, CALIFORNIA

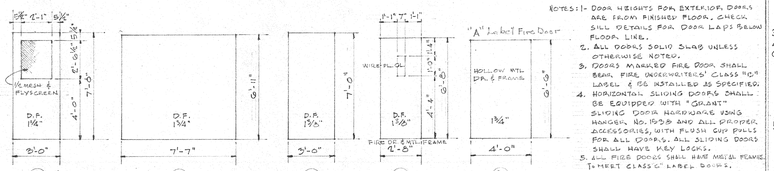
CLAYTON ELEMENTARY SCHOOL

PLUMBING DETAILS

FILE 5410 - G
DATE 1-28-58

SHEET OF SHEETS
P3

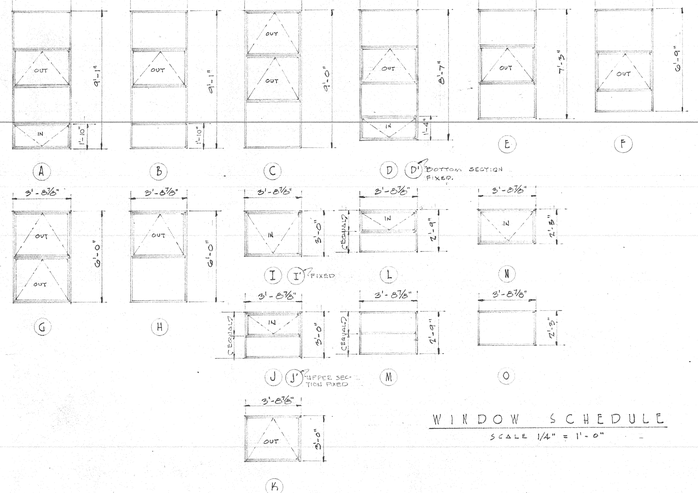




NOTES:-
1. DOOR HEIGHTS FOR EXTERIOR DOORS ARE FROM FINISHED FLOOR. CHECK SILL DETAILS FOR DOOR LAPS BELOW FLOOR LINE.
2. ALL DOORS SOLID SLAB UNLESS OTHERWISE NOTED.
3. DOORS MARKED FIRE DOOR SHALL BEAR FIRE UNDERWRITERS' CLASS "B" LABEL & BE INSTALLED AS SPECIFIED.
4. HORIZONTAL SLIDING DOORS SHALL BE EQUIPPED WITH "GRANT" SLIDING DOOR HARDWARE RING HANGER NO. 1038 AND ALL PROPER ACCESSORIES, WITH PLUSH GUIDE PULLS FOR ALL DOORS. ALL SLIDING DOORS SHALL HAVE KEY LOCKS.
5. ALL FIRE DOORS SHALL HAVE METAL FRAME. 1½ HOUR CLASS C LABEL DOORS.

DOOR SCHEDULE

SCALE 1/4" = 1'-0"



WINDOW SCHEDULE

SCALE 1/4" = 1'-0"

SCHEDULE OF INTERIOR FINISH MATERIALS

BLDG	ROOM	RM. NO.	FLOOR	BASE	WAINSC.	WALLS	CEILING	CLG HT.	WAINSCOT CAP MOLD	CHAIR RAIL	REMARKS
1	MULTI-USE RM.	1	VINYL TILE	RUBBER	PLYWD.	ACOUS. & S.P. PLASTER	TRANS. ACOUS.	D.F.	D.F.		SEE SHEET 10
	PLATFORM	2	D.F.	D.F.		S.P. PLASTER	S.P. PLASTER	D.F.			
	PRACTICE	3,5,6	ASPH. TILE	DO	PLYWD. 5'-0" HIGH	ACOUS. B	ACOUS. B	DO	DO		
	HALL	4	DO	DO	DO	ACOUS. P	ACOUS. P	DO	DO		
	MECHANICAL RM.	7	CEM.	CEM.		S.P. PLASTER	S.P. PLASTER				
	LOCKER RM.	8	TILE	TILE	TILE	PLASTER	ACOUS. P	D.F.			
	JANITOR	9	CEM.	CEM.		DO	PLASTER				
	STORAGE	10	ASPH. TILE	D.F.		S.P. PLASTER	S.P. PLASTER				
	DAY STORAGE	11	CREASE PRF ASPH. TILE	RUBBER		DO	DO				
	SCULLERY	12	DO	DO	SM. MET.	PLASTER & ACOUS. B	ACOUS. B	D.F.			SEE 12'-0" ROLL & MET. WAINS. & SPLASH BACK
	GARBAGE RM.	13	CEM.		BRICK	STUCCO	STUCCO				
	KITCHEN	14	CREASE PRF ASPH. TILE	RUBBER		PLASTER	ACOUS. P	D.F.			
	STAFF DINING	15	ASPH. TILE	D.F.		S.P. PLASTER	ACOUS. B	DO		D.F.	
2	WOOD SHOP	1	CEM.	D.F.	PLYWD.	S.P. PLASTER & ACOUS. P	TRANS. ACOUS.	D.F.	D.F.		SEE SHEET 9, 10
	JANITOR	2	DO	CEM.		PLASTER	PLASTER				
	PROJECT STOR.	3	CEM.	D.F.		PLYWD.	S.P. PLASTER	D.F.			
	HEATER, CLOG.	3A	DO	DO		S.P. PLASTER	GYP. BD.	DO			
	SUPPLY RM.	4	DO	DO		PLYWD.	DO	DO			
	ENTRY	5	DO	DO		DO	ACOUS. P	DO			
	TOILET	6	TILE	TILE	TILE	PLASTER	DO	DO			
	OFFICE	7	ASPH. TILE	D.F.		PLYWD.	ACOUS. A	DO			
	PAINT RM.	8	CEM.	DO		DO	S.P. PLASTER	DO			
	DRY RM.	9	DO	DO		DO	DO	DO			
3, 4, 6	CLASSROOMS	ALL	ASPH. TILE	D.F.	PLYWD.	S.P. PLASTER	ACOUS. A	D.F.	D.F.		SEE SHEET 8
	STOR. RMS	"	DO.	DO.		DO	GYP. BD.	DO.			SEE SHEET 12
	TOILETS	"	TILE	TILE	TILE	PLASTER	ACOUS. P. OVER ENTRY	DO			
	JAN. CLOS.	"	CEM.	CEM.		DO	GYP. BD.	DO			
	HEATER RMS	"	DO	DO		S.P. PLASTER	GYP. BD	DO			
5	TRANSFORMER VAULT	1	CEM.			CONC.	CONC.				SEE SHEET 13
	PANEL BOARD RM.	1A	DO			DO	DO				
	JUNIOR TRAFFIC RESERVE	2	DO			DO	DO				
	HEALTH	3	ASPH. TILE	D.F.		PLASTER	ACOUS. A	D.F.		D.F.	
	TOILETS	4,5,13,14	TILE	TILE	TILE	DO	ACOUST. P	DO			
	ISOLATION	6,7	ASPH. TILE	D.F.		DO	ACOUST. A	DO		D.F.	
	COUNSEL	8,9	DO	DO		S.P. PLASTER	DO	DO		DO.	
	PRINCIPAL	10	DO	BIRCH		BIRCH PLYWD.	DO	BIRCH			
	WAITING	11	DO	DO	BIRCH PLYWD.	S.P. PLASTER	DO	DO	BIRCH		
	CORRIDOR	11A, 11B	DO	DO	DO	DO	ACOUST. P	DO	DO		
	JANITOR	11C	DO	D.F.		PLASTER	PLASTER				
	OFFICE	12	DO	BIRCH	BIRCH PLYWD.	S.P. PLASTER	ACOUST. A	D.F.	BIRCH		
	WORK RM.	15	DO	D.F.		PLYWD.	DO	DO			
	PUBLIC ADDRESS	16	DO	DO	PLYWD.	S.P. PLASTER	DO	DO	D.F.		
	TEACH. REST RM.	17	DO	DO		NO	DO	DO			
	SUPPLY	18	DO	DO		DO	S.P. PLASTER	DO			
	TEACH. WORK RM.	19	DO	DO		PLYWD.	ACOUST. A	DO			
	KITCHEN	19A	DO	DO		DO	DO	DO			
	CLASSROOMS	20, 21	DO	DO	PLYWD	S.P. PLASTER	DO	DO	D.F.		
7	CLASSROOMS	1,2	ASPH. TILE	D.F.	PLYWD	S.P. PLASTER	ACOUST. A	D.F.	D.F.		SEE SHEET 11
	LIBRARY	3	DO	DO	DO	DO	DO	DO	DO		
	LIBRARIAN'S OFFICE	4	DO	DO	DO	DO	DO	DO	DO		
	BOOK STORAGE ROOM	5	DO	DO		DO	S.P. PLASTER	DO			
	WORK RM.	6	DO	DO	PLYWD.	DO	ACOUST. A	DO	D.F.		
8	ART ROOM	1	ASPH. TILE	D.F.	PLYWD.	S.P. PLASTER	ACOUST. A	D.F.	D.F.		SEE SHEET 15
	STORAGE	2	CEM.	CEM.		PLASTER	PLASTER				
	TOILETS	4,7	TILE	TILE	TILE	DO	ACOUST. P. OVER ENTRY	DO			
	JANITOR	5	CEM.	CEM.		DO	GYP. BD.	DO			
	HEATER RM.	6	DO	DO		S.P. PLASTER	GYP. BD.	DO			
9	UTILITY RM.	1	ASPH. TILE	D.F.		PLASTER	ACOUST. P	D.F.			SEE SHEET 14
	DINING	2	DO	SPCH	BIRCH PLYWD.	S.P. PLASTER	ACOUST. A	DO	D.F.		
	LIVING	3	DO	DO	DO	DO	DO	DO	DO		
	FOODS LAB	4	CREASE PRF ASPH. TILE	D.F.	PLYWOOD	PLASTER	ACOUST. P OVER GYP. BD	DO	DO		

SCHEDULE OF INTERIOR PAINTING

ROOM	BASE	WAINSC.	WALLS	CEILING	WINDOW, SASH, FRAME, & TRIM	OTHER WOOD	REMARKS
MULTI-USE RM.		STAIN	FLAT WALL	WATER COLOR	EGGSHELL	STAIN	
PLATFORM	ENAMEL		DO	FLAT WALL		DO	
PRACTICE	DO	STAIN			EGGSHELL	DO	
HALL	DO	DO				ENAMEL	
MECHANICAL RM.			FLAT WALL	FLAT WALL		STAIN	
LOCKER, RM.			ENAMEL	ENAMEL	ENAMEL	ENAMEL	
JANITOR			DO	DO		DO	DARK ENAMEL DADO 3'0 HIGH
STORAGE	ENAMEL		FLAT WALL	FLAT WALL		STAIN	
DAY STORAGE			ENAMEL	ENAMEL	ENAMEL	ENAMEL	
SCULLERY			DO	DO		DO	
GARBAGE RM.						EXTERIOR PAINT	
KITCHEN			ENAMEL	ENAMEL	ENAMEL	ENAMEL	
STAFF DINING	ENAMEL		FLAT WALL		EGGSHELL	STAIN	
WOOD SHOP	ENAMEL	STAIN	FLAT WALL	WATER COLOR	EGGSHELL	STAIN	
JANITOR			ENAMEL	ENAMEL		ENAMEL	DARK ENAMEL DADO 5'-0" HIGH.
PROJECT STOR.	ENAMEL		STAIN	FLAT WALL	EGGSHELL	STAIN	
HEATER, CLOG.	DO		FLAT WALL	DO	DO	DO	
SUPPLY RM.	DO		STAIN	FLAT WALL		DO	
ENTRY	DO		ENAMEL			STAIN	
TOILET			ENAMEL	ENAMEL		ENAMEL	
OFFICE	ENAMEL		STAIN			STAIN	
PAINT RM.	DO		DO	FLAT WALL	EGGSHELL	DO	
DRY RM.	DO		DO	DO	DO	DO	
CLASSROOMS	ENAMEL	STAIN	FLAT WALL		EGGSHELL	STAIN	
STOR. RMS	DO		DO	FLAT WALL	DO	DO	
TOILETS			ENAMEL	ENAMEL	ENAMEL	ENAMEL	
JAN. CLOS.			DO	DO		STAIN	DARK ENAMEL DADO 5'0" HIGH
HEATER RMS			FLAT WALL	FLAT WALL		DO	
TRANSFORMER VAULT					EGG SHELL	EGGSHELL	
PANEL BOARD RM.					TAN	DO	
JUNIOR TRAFFIC RESERVE			CONC. PAINT	CONC. PAINT	DO	DO	
HEALTH	ENAMEL		ENAMEL		ENAMEL	ENAMEL	
TOILETS			DO	ENAMEL	DO	DO	
ISOLATION	ENAMEL		TAN	DO	DO	DO	
COUNSEL	DO		FLAT WALL		EGGSHELL	STAIN	
PRINCIPAL	STAIN		STAIN	DO	DO	DO	
WAITING	DO	STAIN	FLAT WALL		EGGSHELL	DO	
CORRIDOR	DO	DO	DO			DO	
JANITOR	ENAMEL		ENAMEL	ENAMEL		ENAMEL	DARK ENAMEL DADO 5'-0" HIGH
OFFICE	STAIN	STAIN	FLAT WALL		EGGSHELL	STAIN	
WORK RM.	ENAMEL		STAIN		DO	DO	
PUBLIC ADDRESS	DO	STAIN	FLAT WALL		DO	DO	
TEACH. REST RM.	DO		DO	DO	DO	DO	
SUPPLY	DO		DO	FLAT WALL		DO	
TEACH. WORK RM.	DO		STAIN		EGGSHELL	DO	
KITCHEN	DO		DO		DO	DO	
CLASSROOMS	DO	STAIN	FLAT WALL		DO	DO	
CLASSROOMS	ENAMEL	STAIN	FLAT WALL		EGGSHELL	STAIN	
LIBRARY	DO	DO	DO		DO	DO	
LIBRARIAN'S OFFICE	DO	DO	DO		DO	DO	
BOOK STORAGE ROOM	DO		DO	FLAT WALL	DO	DO	
WORK RM.	DO	STAIN	DO		DO	DO	
ART ROOM	ENAMEL	STAIN	FLAT WALL		EGGSHELL	STAIN	
STORAGE			ENAMEL	ENAMEL		ENAMEL	
TOILETS			DO	DO	ENAMEL	DO	
JANITOR			DO	DO		DO	DARK ENAMEL DADO 5'0" HIGH
HEATER RM.			FLAT WALL	FLAT WALL		STAIN	
UTILITY RM.	ENAMEL		ENAMEL	ENAMEL	ENAMEL	ENAMEL	
DINING	STAIN	STAIN	FLAT WALL			STAIN	
LIVING	DO	DO	DO		EGGSHELL	DO	
FOODS LAB	ENAMEL	DO	ENAMEL	ENAMEL	ENAMEL	ENAMEL	

SCHEDULE LEGEND

* INSTALL ALL PLYWOOD WAINSCOTS AND WALLS ON 1/8" THICK PLASTER BACKING
# ACOUSTICAL TILE & S & P SHALL BE INSTALLED ONLY ON PLASTER, OR ON CHIPBOARD WHERE NOTED ON SCHEDULE. SEE SPECIFICATIONS FOR ATTACHMENT.

WATER COLOR = GOLD WATER PAINT
SP. PLASTER = SAND FINISH PLASTER.
PLASTER = KREME'S CEMENT SMOOTH FINISH PLASTER.

NOTE: ON ALL SHEETS, WHERE INTERIOR STUCCO IS SHOWN, IT SHALL BE SAND-FINISH PLASTER.

ABBREVIATION INDEX

AGGR.	AGGREGATE	SQ. LD.	SQUARE LAID SHEATHING
ASPH.	ASPHALT	STR. HKD.	STRAP HOOKS
D.F.	DOUGLAS FIR	T.D.	TOWEL DISPENSER
DIAG. S.	DIAGONAL SHEATHING	V. GR.	VERTICAL GRAIN
M.I.	MALLEABLE IRON	W.R.	WASTE RECEPTACLE
O.C., CTRS, C.C.	ON CENTER	D.C.	DOOR CLOSER
R.W., R.D.W.	REDWOOD	K.P.	KICK PLATE
S.D.	SOAP DISPENSER	P.B.	PANIC BOLT
F.B.	FACE OF BRICK		
F.C.	FACE OF CONCRETE		
F.S.	FACE OF STUDS		

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SCHEDULE OF LETTERING

BRONZE LETTERS 2" HIGH UNLESS OTHERWISE NOTED

1 CLASSROOM UNITS: (2 NUMERALS EACH CORRIDOR DOOR.)

2 TOILET UNITS: BOYS, GIRLS, JANITOR, HEATER ROOM.

3 STORAGE UNIT: STORAGE ROOM.

4 SHOP UNIT: (a) EXTERIOR DOOR: WOOD SHOP
(b) INTERIOR DOORS: PAINT ROOM, OFFICE, TOILET, SUPPLY ROOM, JANITOR.

5 LIBRARY UNIT: (EXTERIOR DOORS): LIBRARY, BOOK ROOM.

6 ADMINISTRATION UNIT:
(a) AT EXTERIOR CORNER OF BUILDING: OFFICE (WITH ARROW TOWARD DOOR)
(b) EXTERIOR DOORS: STORE ROOM, OFFICE, WORK ROOM
(c) INTERIOR DOORS: NURSE, PRINCIPAL, COUNSELOR, WORK ROOM, TEACHERS' REST ROOM, WOMEN, MEN, STORE ROOM, SECRETARY, JANITOR, ISOLATION, BOYS, GIRLS

7 HOMEMAKING UNIT:
(a) EXTERIOR DOOR: FOODS LAB
(b) INTERIOR DOOR: UTILITY ROOM

8 ART ROOM UNIT:
(a) EXTERIOR DOOR: ART ROOM
(b) INTERIOR DOOR: STORE ROOM

9 MULTI-USE UNIT:
(a) EXTERIOR DOORS: MULTI-USE ROOM, EMPLOYEES, JANITOR, HEATER ROOM, PRACTICE ROOMS
(b) INTERIOR DOORS: TEACHERS (SHOWN AS STAFF DINING RM.), STORE ROOM.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONNER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
3800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT
ENGINEER

TITLE SHEET - SCHEDULES

AMBROSE INTERMEDIATE SCHOOL

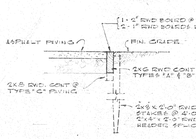
MT. DIABLO UNIFIED SCHOOL DIST.
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

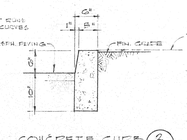
SHEET 1 OF 43

AMBROSE INTERMEDIATE SCHOOL



HEADER BOARD FOR ASPHALT PAVING (2/1)

SCALE: 3/4" = 1'-0"



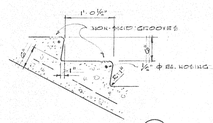
CONCRETE CURB (2/2)

SCALE: 3/4" = 1'-0"



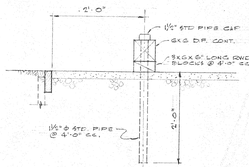
CONC. GUTTER IN ASPHALT PAVING (2/3)

SCALE: 3/4" = 1'-0"



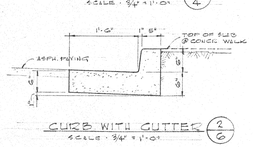
TYPICAL TREAD (2/4)

SCALE: 3/4" = 1'-0"



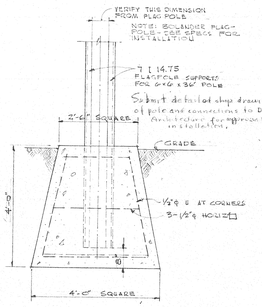
BUMPER DETAIL (2/5)

SCALE: 3/4" = 1'-0"



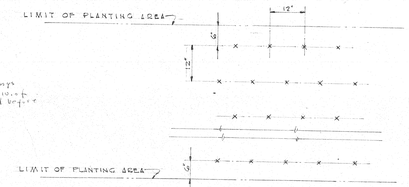
CURB WITH GUTTER (2/6)

SCALE: 3/4" = 1'-0"

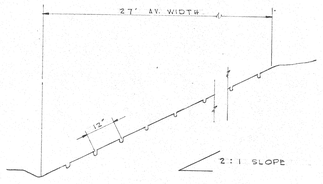


FLAGPOLE FOOTING (2/7)

SCALE: 1/2" = 1'-0"

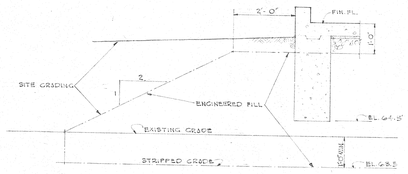


PLAN FOR SPACING



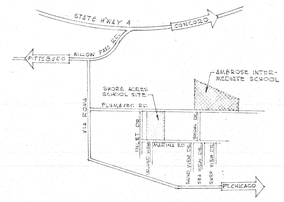
PLANT SPACING ON SLOPE

PLANT MATERIALS LIST			
NO.	NAME	QUAN.	COND.
1	MESEMBRYANTHEMUM EQUILATERUM.	12250	DIVISIONS
2	HYPERICUM CALYCINUM.	1225?	DIVISIONS
	NOTE: ALTERNATE BOTH GENUSES EQUALLY		



DETAIL OF ENGINEERED FILL

SCALE: 1/2" = 1'-0"



SITE LOCATION

NO SCALE

GENERAL NOTES

1. SURVEY PREPARED BY NORMAN T. EIPPE, CIVIL ENGINEER, MARTINEZ, CALIFORNIA SURVEY DATED FEBRUARY 1953.
2. APPROVAL OF THE DIVISION OF ARCHITECTURE DOES NOT INCLUDE FUTURE CONSTRUCTION.
3. OUTLINE OF EXCAVATION FOR BUILDING SHOWN THUS: ——————— THE AREA WITHIN THIS LINE SHALL BE STRIPPED AT LEAST 1'-0" BELOW PRESENT GRADE, BUT IN NO CASE SHALL STRIPPED GRADE BE HIGHER THAN ELEVATIONS SHOWN THEREON ON PLOT PLAN.
4. FILL WITHIN OUTLINE OF EXCAVATION SHALL BE PLACED UNDER THE DIRECT SUPERVISION OF THE SOILS ENGINEER. SEE SPECS.
5. B.M.-BRASS CAP - CONC. MON. AT STA. 3+93.5+62.80, ELEV. 101.136. MONUMENT IS 140' W. & 15' N. OF CTR. SEC. 9.
6. FOR ADDITIONAL ELEVATIONS OF INDIVIDUAL BUILDINGS, REFER TO FLOOR PLANS WHICH APPLY.

LEGEND

- NEW CONSTRUCTION
- FUTURE CONSTRUCTION
- NEW CONCRETE PAVING
- NEW ASPHALT PAVING
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- NEW FINISH GRADE 1' CONTOUR
- NEW FINISH GRADE 5' CONTOUR

P.P. - POWER POLE
T.S. - TOP SOIL
C.B. - CATCH BASIN
S.D. - SUMP
R - RADIUS
F.B. - FACE OF BRICK
F.C. - FACE OF CONCRETE
F.S. - FACE OF STUD

PLOT PLAN

SCALE: 1" = 40'

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT — ENGINEER

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

DATE OF CONCURRENCE OF BOARD OF PUBLIC WORKS OR IN 7th DISTRICT: 10-17 APPROVED AUG 11 1953

PLOT PLAN

AMBROSE INTERMEDIATE SCHOOL

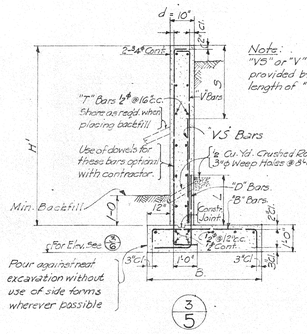
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 62-10-X

DATE 6/23/53

SHEET 2.

OF 13 SHEETS



Note:
"V5" or "V" Bars may be provided by increasing length of "D" bars as reqd.

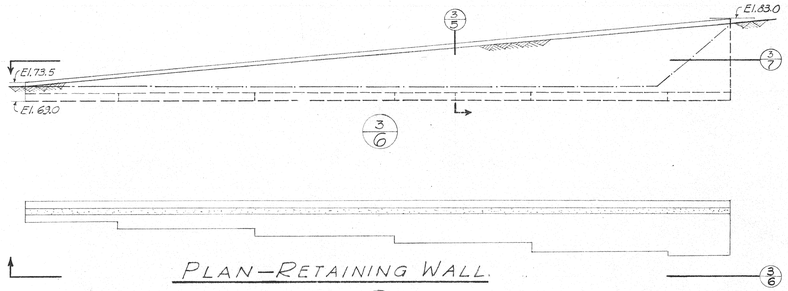
Use of dowels for these bars optional with contractor.

¾ Cu. Yd. Crushed Rock @ Weep Hole.
3"ø Weep Holes @ 3'-0" c.c. Galv. Wire Mesh over Opng.

(3/5)

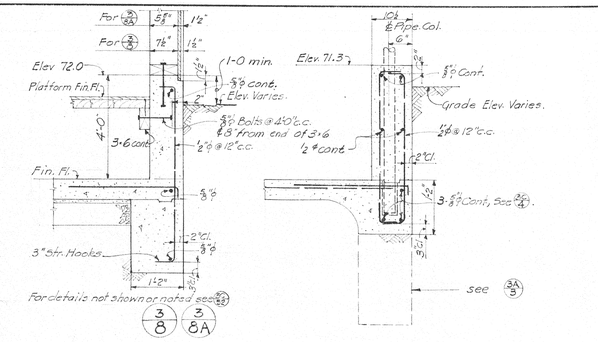
RETAINING WALL SCHEDULE.

d	H	B	"V" Bars	"V5" Bars	S	"D" Bars	L	"B" Bars
10"	0'-0" to 4'-0"	2'-8"	Provided by "D" bars			#5 @ 12"	H'-2"	#5 @ 12"
	4'-1" to 6'-0"	3'-8"	do			#5 @ 12"	H'-2"	#5 @ 12"
	6'-1" to 8'-0"	4'-8"	#5 @ 12"	—	—	#5 @ 12"	2'-6"	#5 @ 8"
	8'-1" to 10'-0"	5'-8"	#5 @ 9"	—	—	#5 @ 6"	2'-6"	#5 @ 6"
	10'-1" to 12'-0"	6'-10"	#5 @ 12	#5 @ 12	7'-6"	#5 @ 4	2'-6"	#5 @ 5
	12'-1" to 13'-0"	7'-4"	#5 @ 12	#5 @ 12	7'-6"	#5 @ 4	3'-0"	#5 @ 4

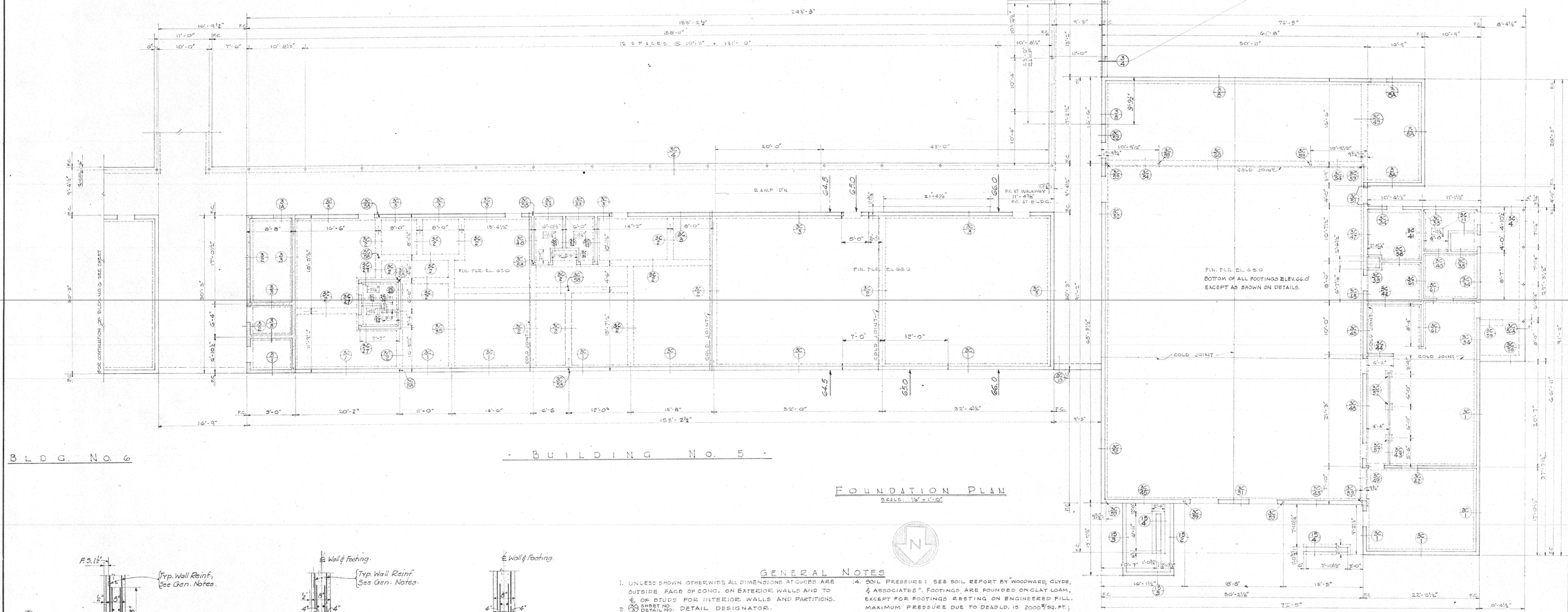


PLAN—RETAINING WALL.

(3/7)

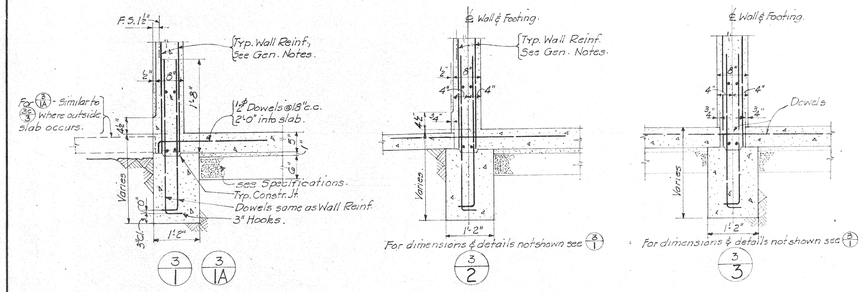


For dimensions & details not shown or noted, see (3/4)



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



GENERAL NOTES

1. UNLESS SHOWN OTHERWISE ALL DIMENSIONS AT CURBS ARE OUTSIDE FACE OF CONC. ON EXTERIOR WALLS AND TO ℄ OF STUDS FOR INTERIOR WALLS AND PARTITIONS.
2. (SHEET NO. / DETAIL NO.) DETAIL DESIGNATOR.
3. FOR DETAILS OF CONSTRUCTION NOT SHOWN ON THIS SHEET, SEE SHEETS 3A, 3B, 3C, 21, & 22.
4. BOTT. OF DEEP FOOTINGS ARE SHOWN THUS: 66.0 ETC.
5. SEE DETAIL FLOOR PLANS, FOR CURB LOCATIONS.
6. FOR COLD JOINT SEE DETAIL SH. 22.
7. FOR EXPANSION JOINT SEE DETAIL SH. 22.
8. (3") INDICATES THE DISTANCE WHICH THE TOP OF THE CONC. SLAB IS BELOW THE FINISHED FLOOR.
9. SEE SHEET #2 FOR FINISHED FLOOR ELEVATIONS.
10. PLACING OF FILLS TO BE UNDER DIRECT SUPERVISION OF SOILS ENGINEER.
11. FOOTINGS SHALL BE POURED IN NEAT EXCAVATIONS WITHOUT USE OF SIDE FORMS WHEREVER PRACTICAL.
12. SEE FLOT PLAN FOR PORCH SLAB ELEVATIONS.
13. FOR FIN. OF INTERIOR CURB, DOOR MAT DEPRESSION, ETC., SEE ARCHITECTURAL DRAWINGS.
14. SOIL PRESSURE: SEE SOIL REPORT BY WOODWARD, CLYDE, & ASSOCIATES". FOOTINGS ARE FOUNDED ON CLAY LOAM, EXCEPT FOR FOOTINGS RESTING ON ENGINEERED FILL. MAXIMUM PRESSURE DUE TO DEAD LD. IS 2000 #/SQ. FT.; DUE TO DEAD LD. AND LIVE LD. IS 3000 #/SQ. FT.
15. BOTTOM OF FOOTINGS SHALL BE NOT LESS THAN 12" BELOW THE EXISTING SURFACE (OR BELOW THE FINISHED ROUGH GRADE WHICHEVER IS LOWER) EXCEPT THAT FOOTINGS RESTING ON ENGINEERED FILL SHALL BE CARRIED A MINIMUM OF 12" INTO THE FILL AND HAVE A MINIMUM OF 12" OF FILL BELOW BOTTOM OF FOOTINGS.
16. F.C. = FACE OF CONCRETE.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

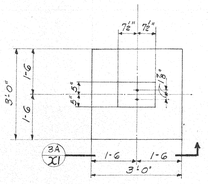
APPROVED DSA 6-1-1953
31017

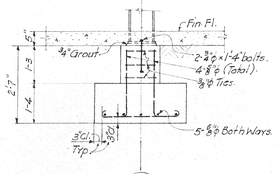
ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT — ENGINEER

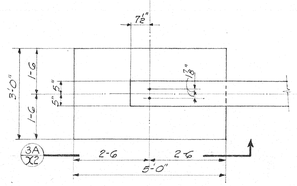
FOUNDATION PLAN
BUILDING NOS. 1 & 5
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

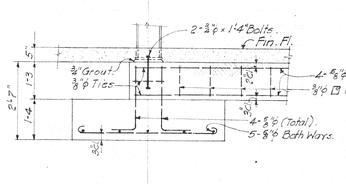
FILE 52-10-X
DATE 6/23/53

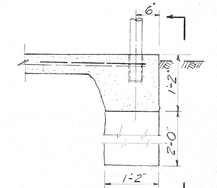
SHEET 3 OF 43 SHEETS

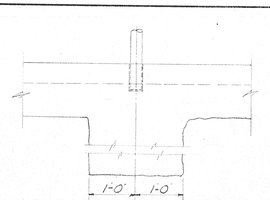




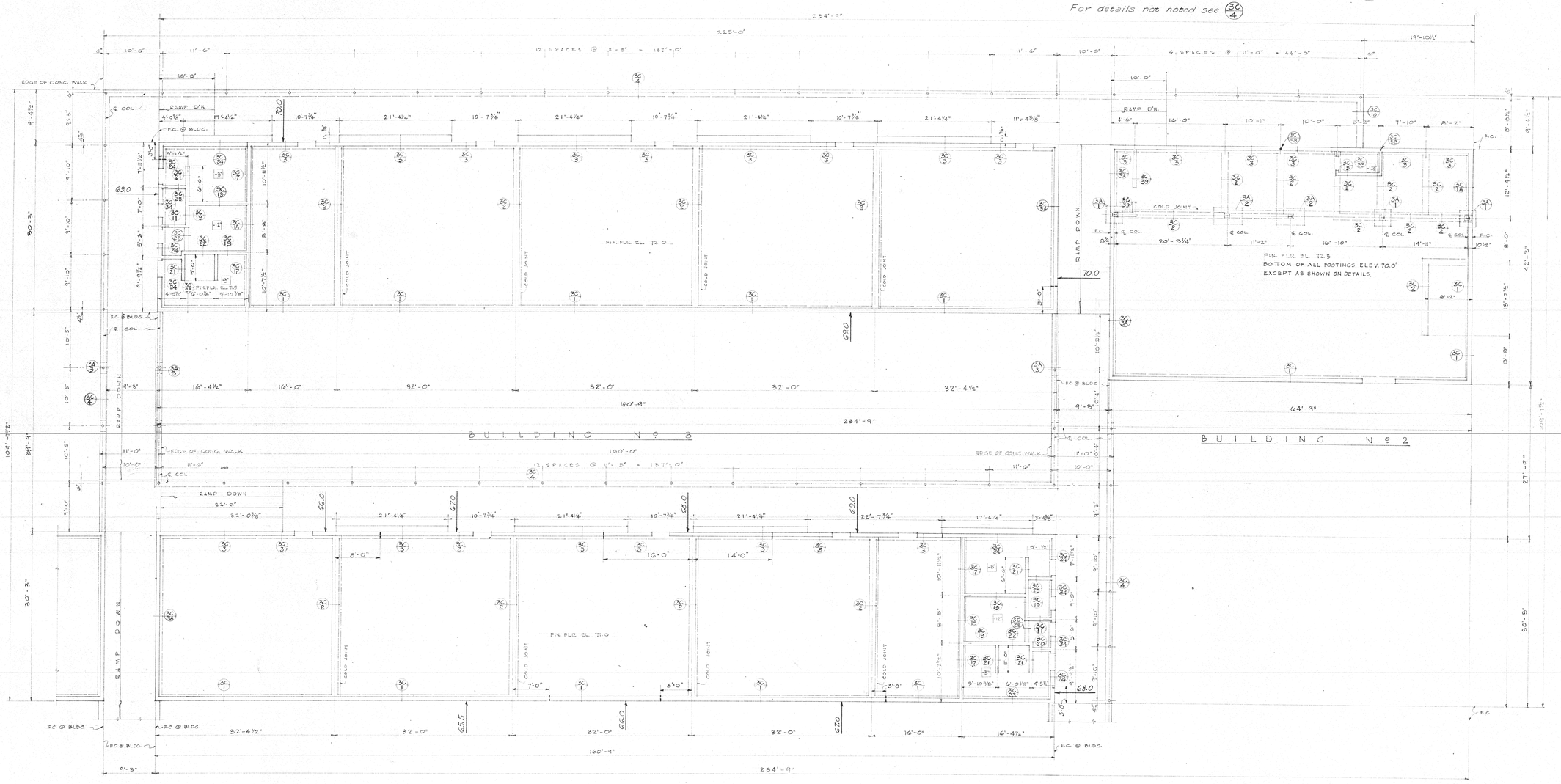








For details not noted see 3C/4



FOUNDATION PLAN

SCALE ⅛" = 1'-0"

1. See Notes Sheet 3.

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ENGINEER — ARCHITECT

BOARD OF TRUSTEES

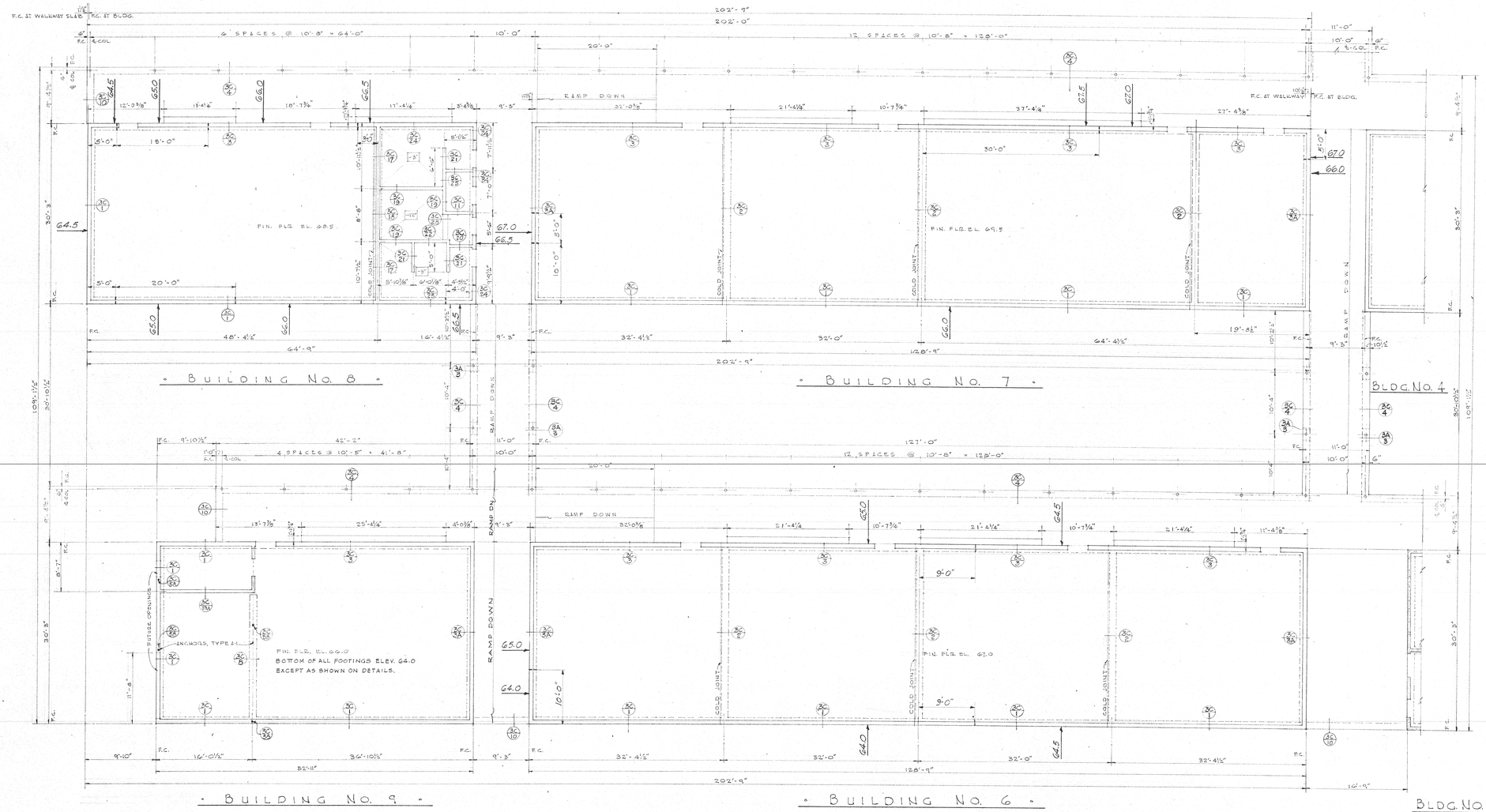
SUPERINTENDENT OF SCHOOLS

STATE HOSPITAL APPROVAL OF PLANS, ADDITIONS & ALTERATIONS
APPROVED AUG 24 1953
[illegible]

FOUNDATION PLAN
BUILDING NOS. 2,3 & 4
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X
DATE 6 23 53

SHEET 4
3A
OF 43 SHEETS



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

1. See Notes Sheet 3.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

ENGINEER

FOUNDATION PLAN
BUILDING NOS. 6,7,8,9

J.M. ROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

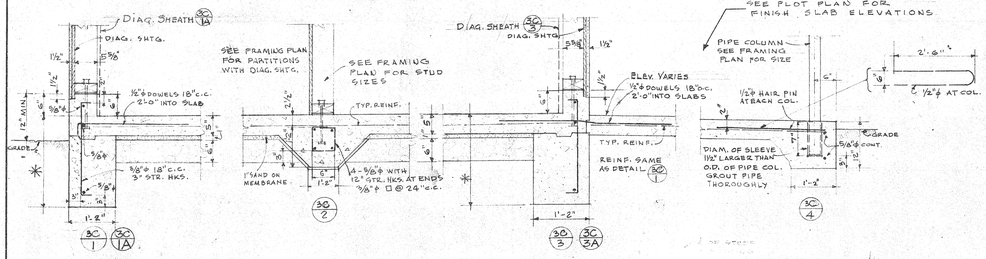
FILE 52-10-X

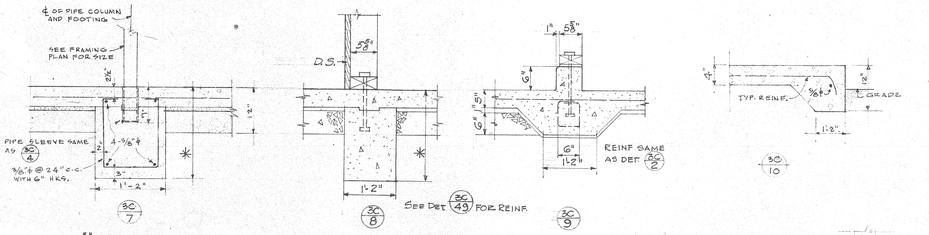
DATE 6/23/52

SHEET 5

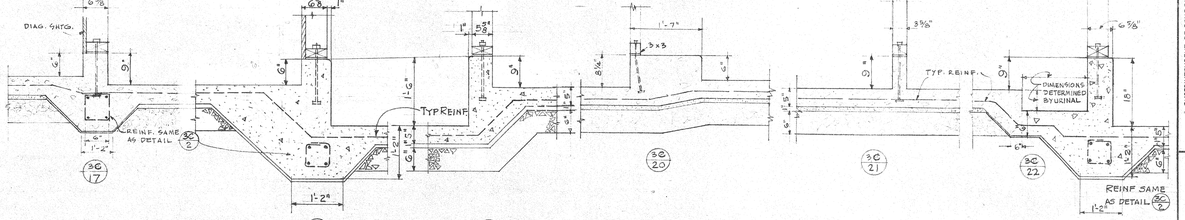
3B

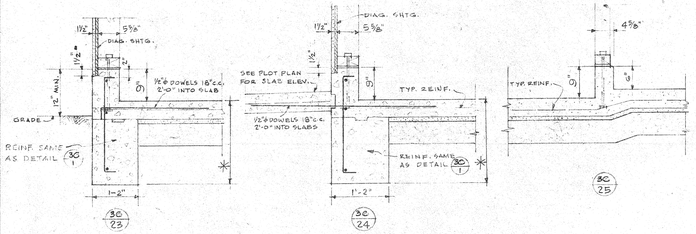
OF 43 SHEETS

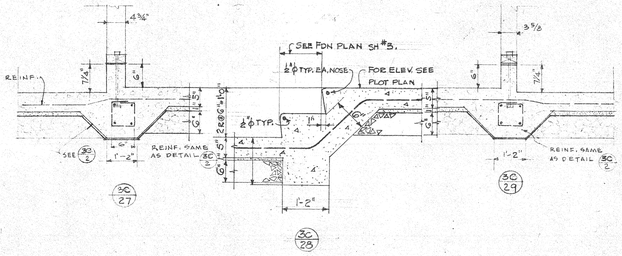


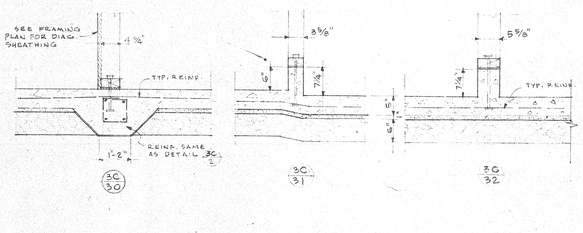


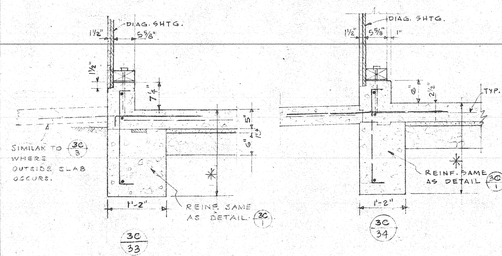


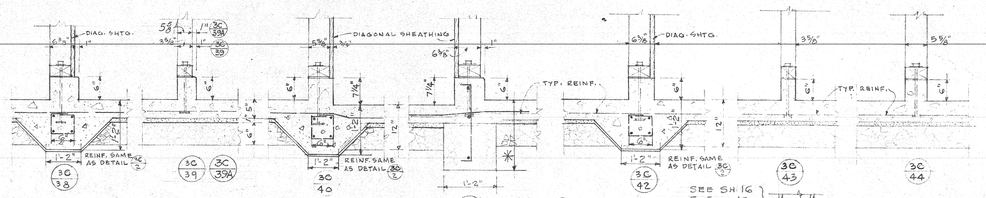


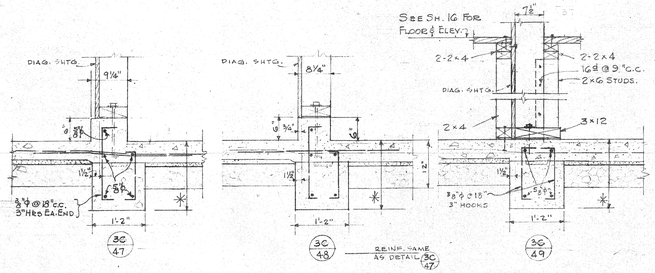


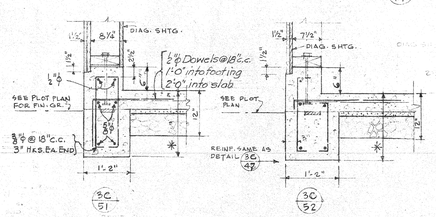


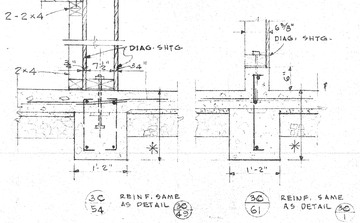


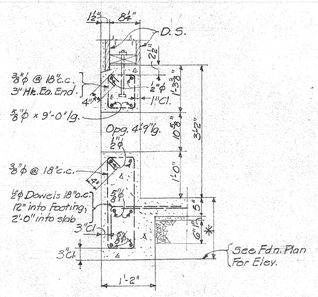


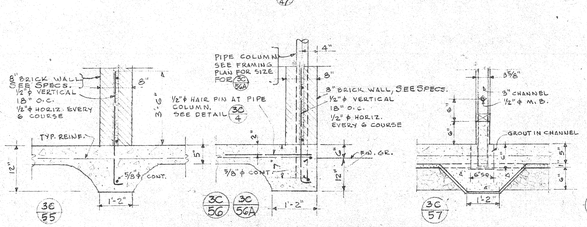


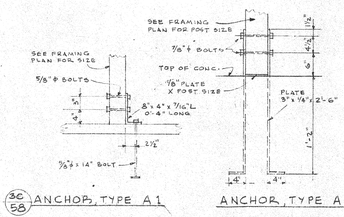


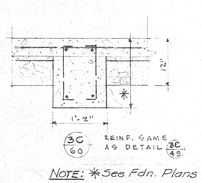


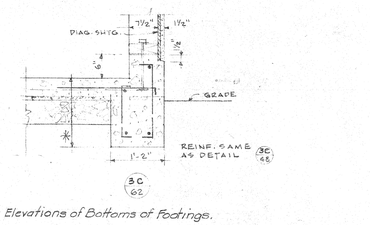












SEE DIAGONAL SHEATHING

NOTE: * See Fdn. Plans for Elevations of Bottoms of Footings.

FOOTING DETAILS

SCALE: ¾" = 1'-0"

APPROVED BY BOARD OF TRUSTEES RESOLUTION NO. 10-0-50

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHABERLAIN
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
JOHN LYON REID ARCHITECT
ENGINEER

FOUNDATION DETAILS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

SHEET 6
3C
OF 43 SHEETS

ADMINISTRATION UNIT
SEE SHEET NO. 13

CLASSROOM UNITS
SEE SHEET NO. 8

MULTI-USE UNIT

15 SPACES @ 10'-11" = 151'-0"

248'-2"

88'-10"

64'-8"

80'-8"

SHELTERED WALKWAY

RAMP DN.

MET. LOCKERS

PLATFORM

MU2

FIN. FLR. EL. 71.0

FIN. FLR. EL. 68.0

FIN. FLR. EL. 67.0

28'-0"

50'-8"

STUCCO WALL

STUCCO WALKWAY CEILING IN THIS AREA

CLERESTORY WINDOWS

CLERESTORY WINDOWS AT WINDOWS OPPOSITE SIDE

MULTI-USE ROOM

MU1

KITCHEN

MU4

SCULLERY

MU3

STAFF DINING

MU5

PRACTICE RM.

MU7

LOCKERS

MU8

STORAGE

MU6

JANITOR

WALL CAVITY TO BE FILLED WITH FULL THICKNESS REL. WEIGHT OR MINERAL WOOL INSULATION. Provide 2"x4" and 4"x4" solid blocking where plate to face studding.

EDGE OF WALK

EDGE OF CONC. WALL

PIPE RAIL

CONC. PIER

BUILDING Nº 5

PLAN

SCALE: 1/8" = 1'-0"

BUILDING Nº 1

BLDG. Nº 6

BUILDING NO. 8

BUILDING NO. 7

BUILDING NO. 4

BUILDING NO. 3

BUILDING NO. 2

BUILDING NO. 9

BUILDING NO. 6

BUILDING NO. 5

BUILDING NO. 1

SCUTTLE

SKYLIGHTS

SUMP

SMOKE VENT

VENT

FLUE

SCUTTLE TO ATTIC SPACE

NOTE: WHERE HIGH ROOF SPANS BETWEEN BUILDINGS, LACEY INSULATION MATERIAL ACROSS

ROOF PLAN

SCALE: 1" = 30'

* INDICATES SUMP AT LEADER HEAD.

KEY PLAN

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD OAKLAND 10, CALIF.
ARCHITECT ENGINEER

FLOOR PLAN BLDG. No. 1,5
ROOF PLAN

AMBROSE INTERMEDIATE SCHOOL

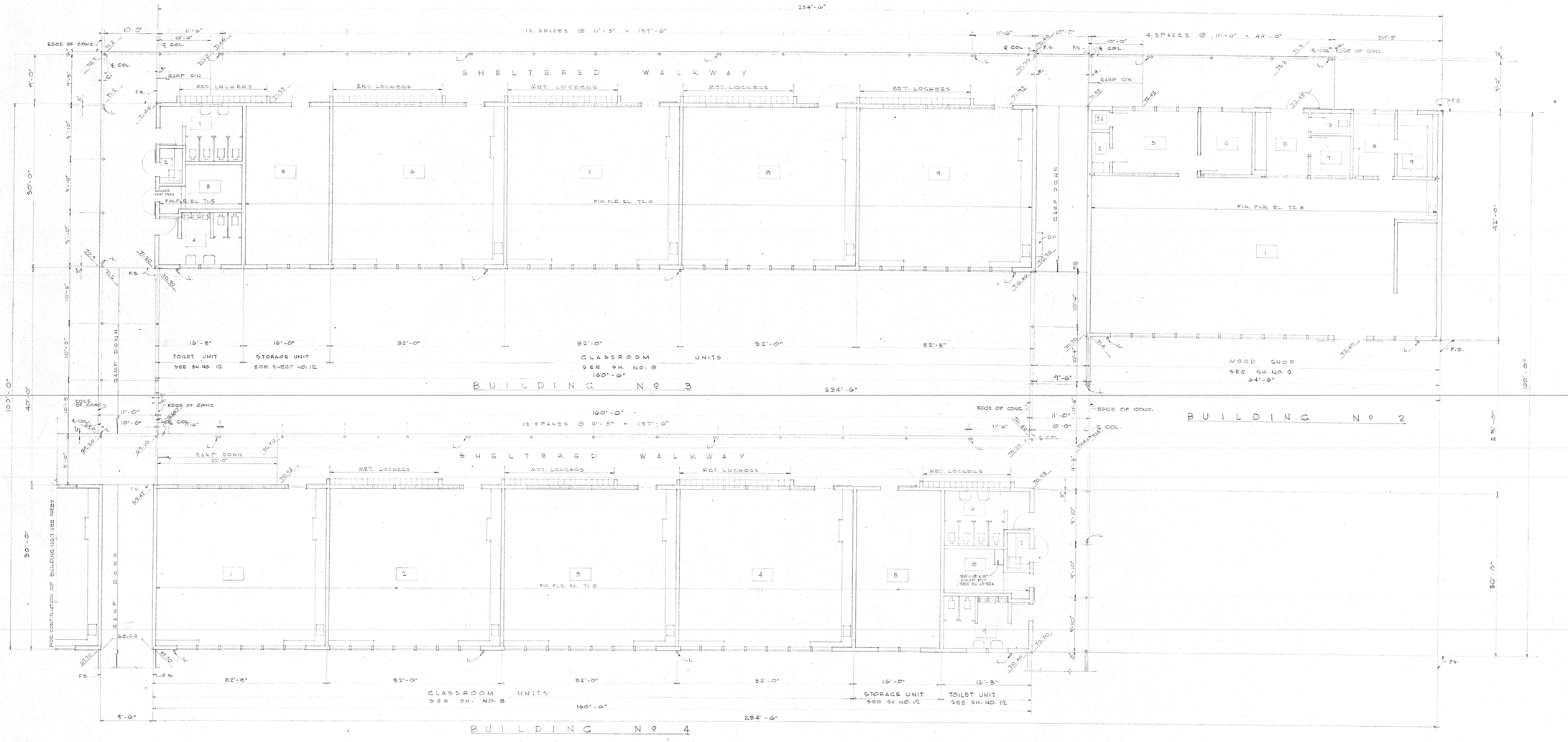
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

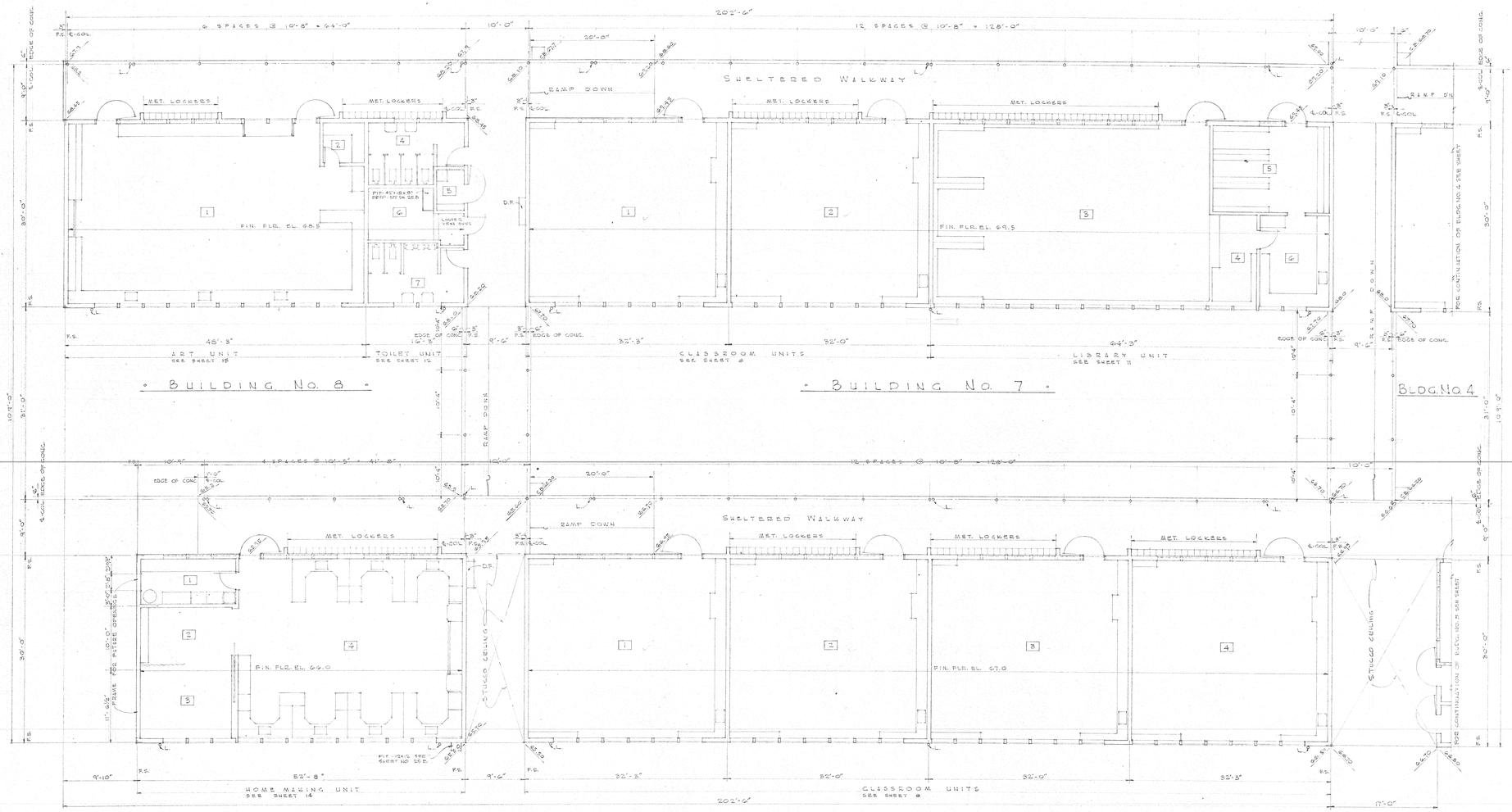
FILE 52-10-X

DATE 6/25/53

SHEET 7

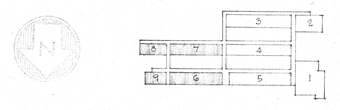
OF 43 SHEETS


234'-6"
12 SPACES @ 11'-5" = 137'-0"
4 SPACES @ 11'-0" = 44'-0"
EDGE OF CONC.
10'-0"
11'-6"
10'-0"
11'-0"
10'-0"
20'-3"
4" CONC. EDGE OF CONC.
& COL.
F.S.
RAMP DN
RAMP DOWN
MET. LOCKERS
SHELTERED WALKWAY
LOUVER VENT OVER
FIN. FLR. EL. 71.5
FIN. FLR. EL. 72.0
FIN. FLR. EL. 72.8
RAMP DOWN
DR.
DR.
9'-0"
9'-3"
9'-10"
9'-10"
9'-10



FLOOR PLAN

SCALE: 1/8" = 1'-0"



KEY PLAN

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

DATE OF APPROVAL OF PLANS BY DIVISION OF SCHOOL BUILDING SERVICES
11017 APPROVED AUG 21 1963
FOR THE STATE ARCHITECT

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT
ENGINEER

FLOOR PLAN
BLDG. No. 6, 7, & 8

AMBROSE INTERMEDIATE SCHOOL

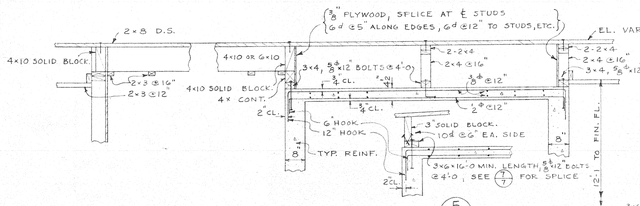
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

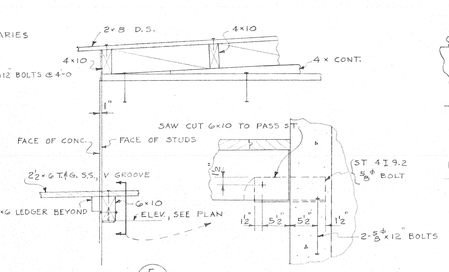
FILE 52-10-X

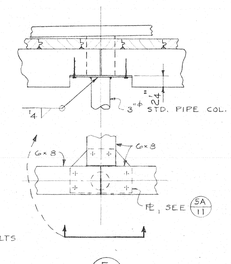
DATE 6/23/63

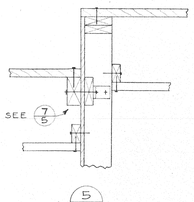
SHEET 11

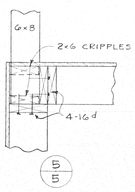
OF 43 SHEETS

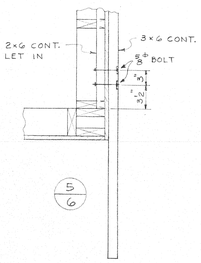


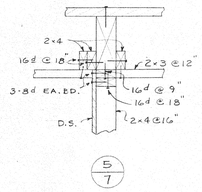


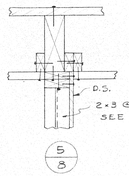


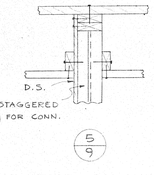


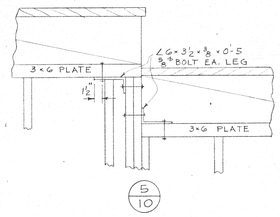


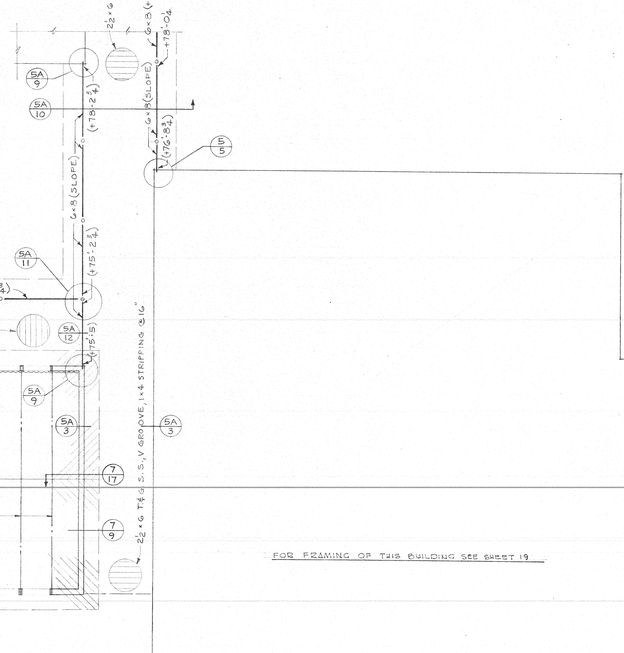


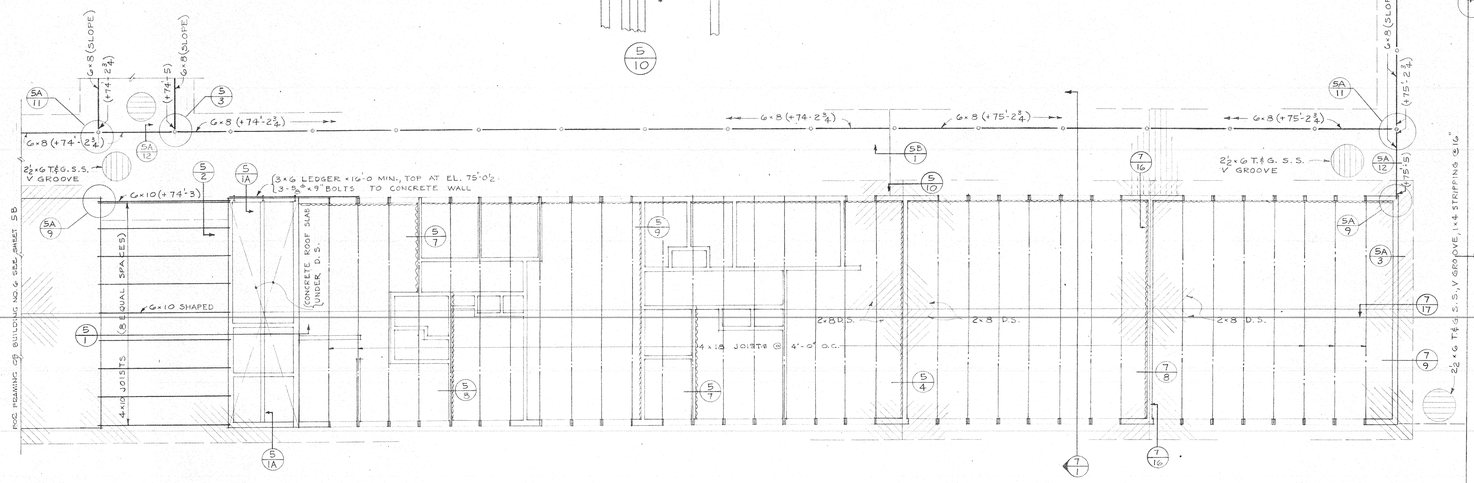












BLDG. NO. 6 · BUILDING NO. 5 · BUILDING NO. 1

FRAMING PLAN

SCALE: 1/8"=1'-0"

NOTES:

~~~~~~~~ INDICATES 1×6 DIAGONAL SHEATHING ON INTERIOR WALLS.
(+75'-2¾) ETC.) INDICATES ELEV. OF BOTTOM OF G×8 OR G×10 BEAMS.
F.S. = FACE OF STUDS.
F.C. = FACE OF CONCRETE.
D.S. = DIAGONAL SHEATHING.
S.S. = STRAIGHT SHEATHING.
ALL EXTERIOR WALLS SHALL BE DIAGONALLY SHEATHED WITH 1×6 BOARDS ON EXTERIOR SIDE.
ALL STUDS 2×6 @16" EXCEPT AS NOTED.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

DATE OF APPROVAL OF PLANS BY DIVISION OF SCHOOLS
AUG 24 1953
APPROVED AUG 24 1953
DIVISION OF SCHOOLS
By [illegible]

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT
ENGINEER

ROOF FRAMING PLAN
BUILDING NO. 5

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

SHEET 10
5
OF 43 SHEETS
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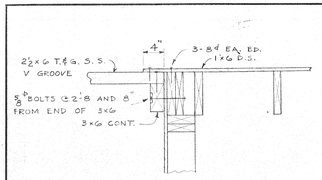

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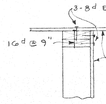

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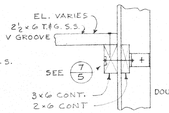

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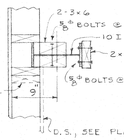

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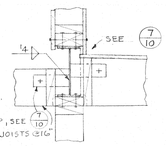

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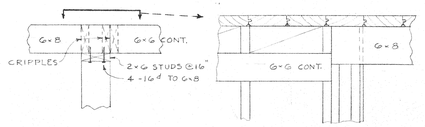

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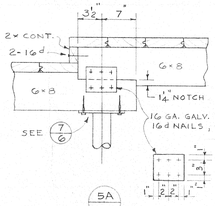

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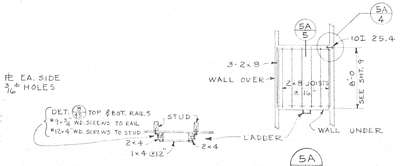
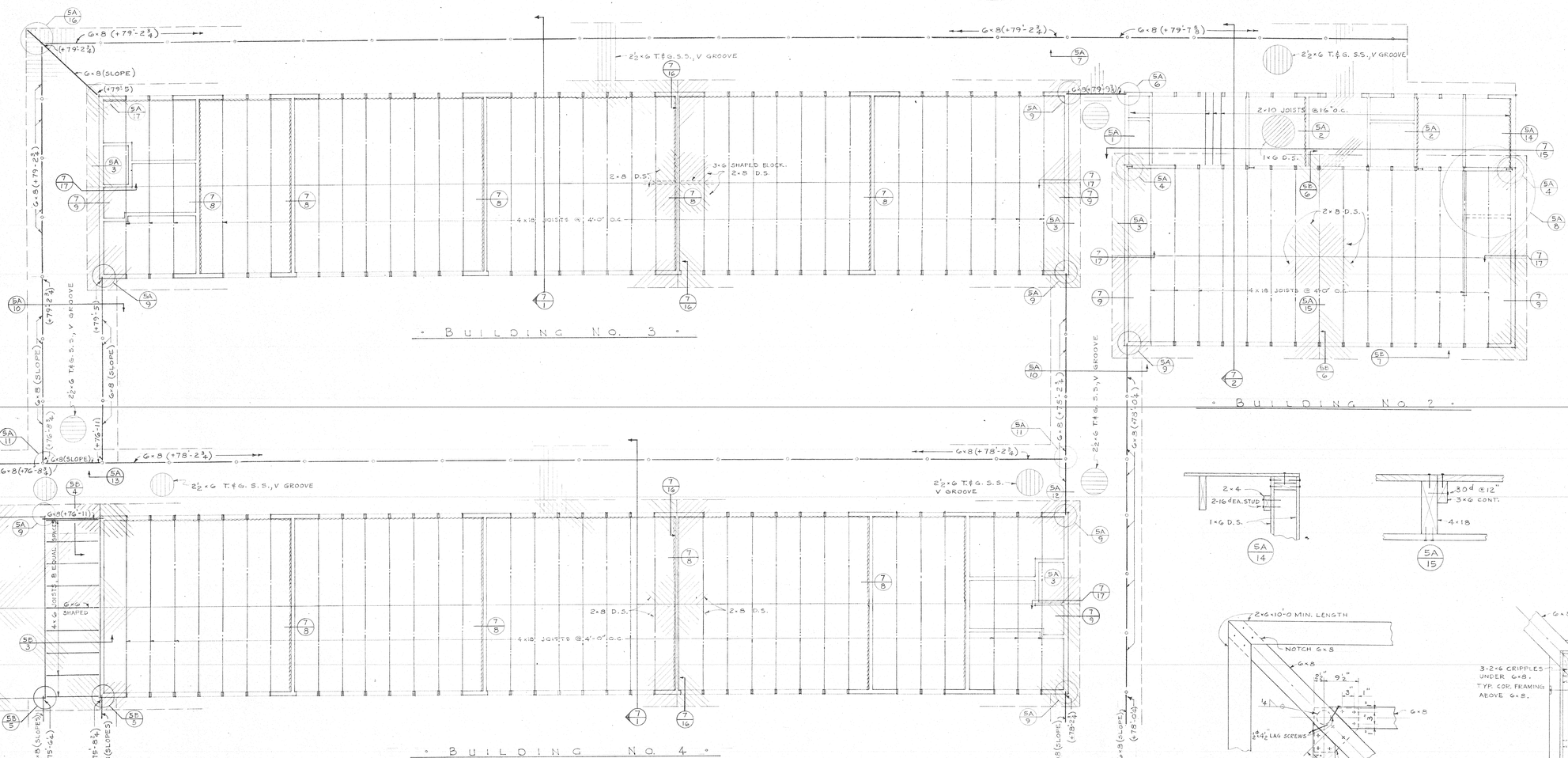


5A 8

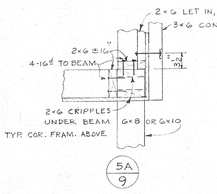
PLAN AT MEZZANINE



- BUILDING NO. 3 -

- BUILDING NO. 4 -

- BUILDING NO. 2 -



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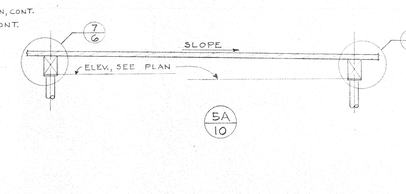

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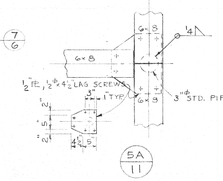

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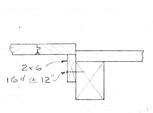

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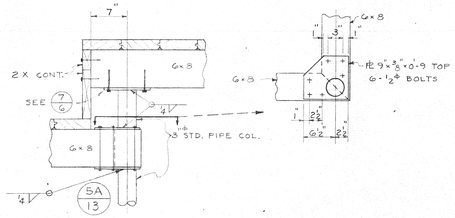
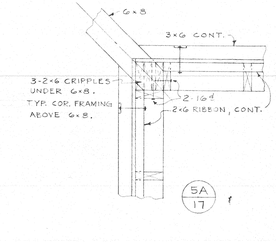


5A 13

5A 14

5A 15

5A 16



5A 17

FRAMING PLAN

SCALE: ⅛" = 1'-0"

NOTES:

SEE SHEET NO. 5 FOR NOTES.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

"SEE APPROVED ORIGINAL ON FILE IN THE OFFICE OF ARCHITECTURE" 1017 APPROVED AUG 24 1953 DIVISION OF ARCHITECTURE

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

ROOF FRAMING PLAN
BUILDING NOS. 2, 3 & 4

AMBOSE INTERMEDIATE SCHOOL

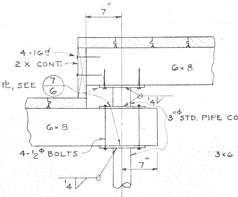
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

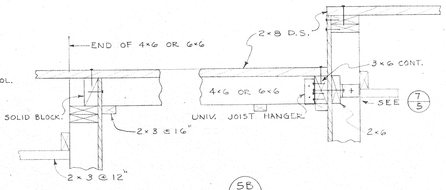
ENGINEER

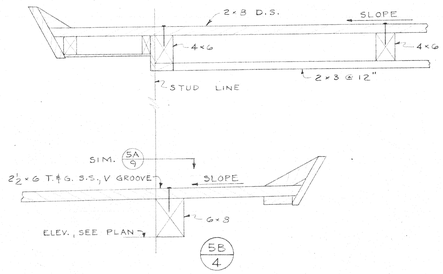
FILE 52-10-X

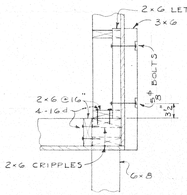
DATE 6/23/53

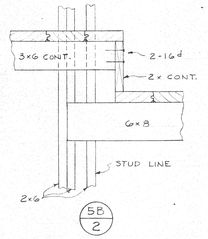
SHEET 11
5A
OF 43 SHEETS

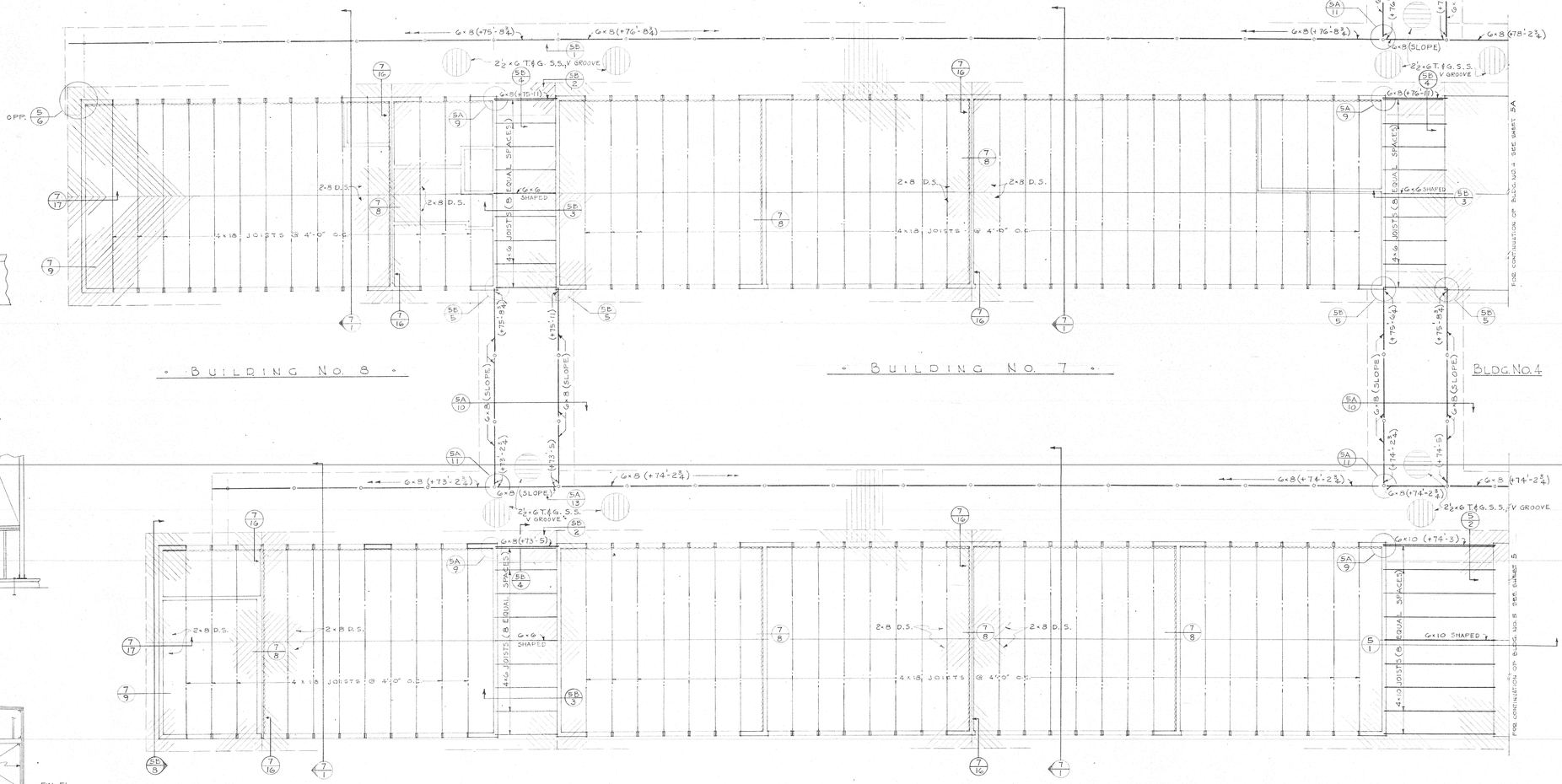


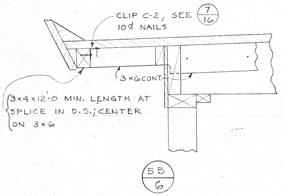


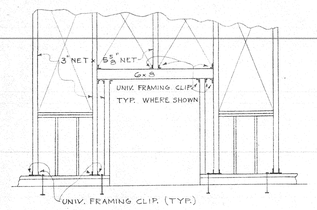


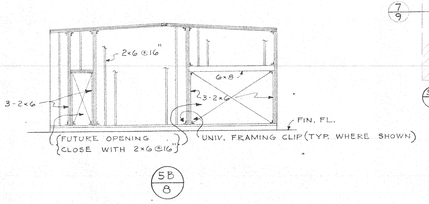












BUILDING NO. 8

BUILDING NO. 7

BLDG. NO. 4

BUILDING NO. 9

BUILDING NO. 6

BLDG. NO. 5

FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

SEE SHEET NO. 5 FOR NOTES.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
11017 APPROVED AUG 24 1953

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

ROOF FRAMING PLAN
BUILDING NOS. 6, 7, 8 & 9

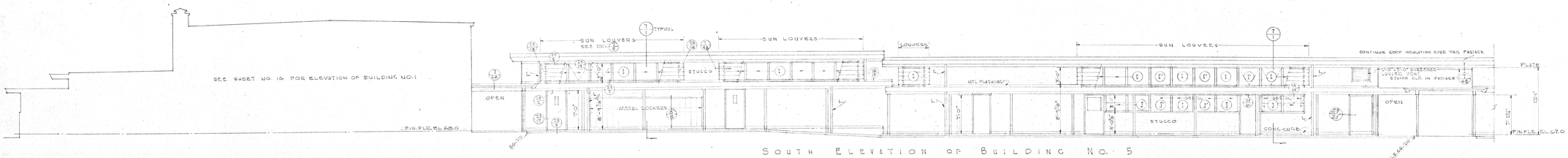
AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

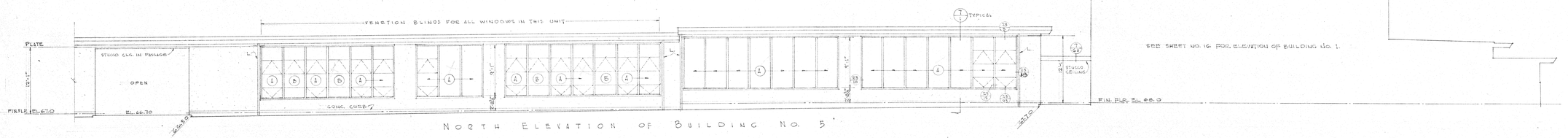
FILE 52-10-X

DATE 6/23/53

SHEET 12
5B
OF 43 SHEETS



SOUTH ELEVATION OF BUILDING NO. 5



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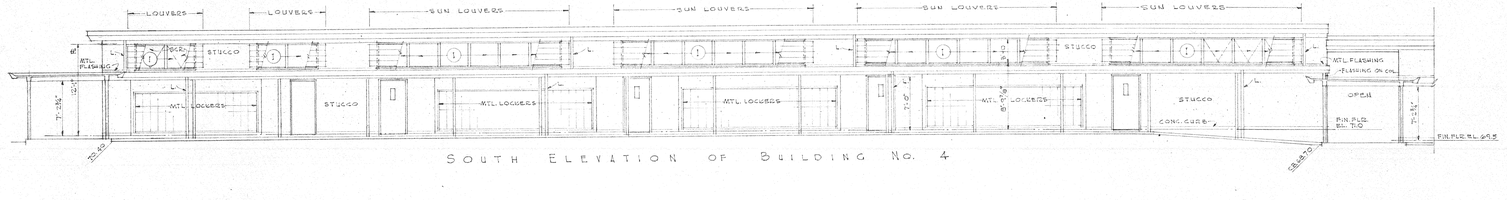

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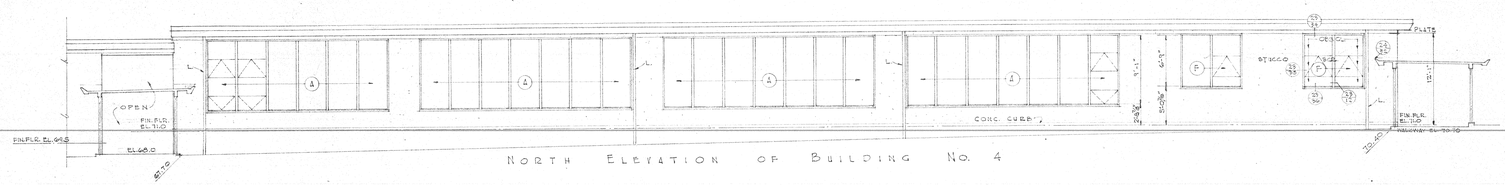

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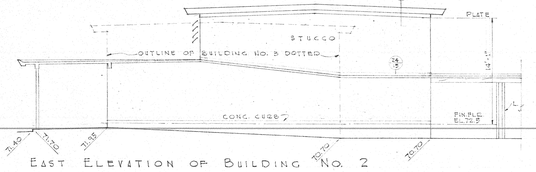
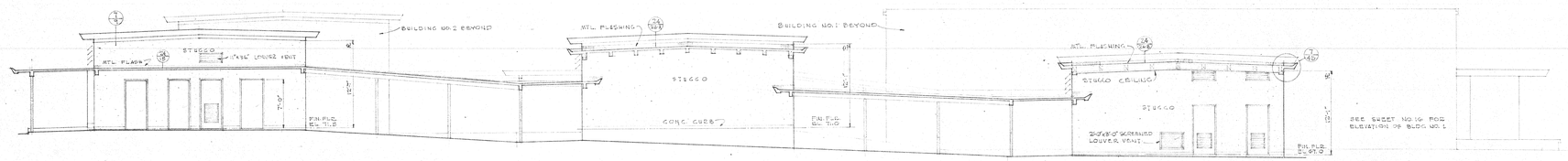


EAST ELEVATION OF BUILDING NO. 2



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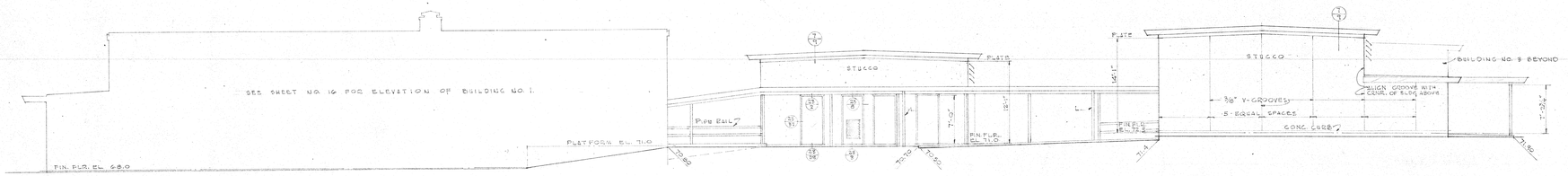
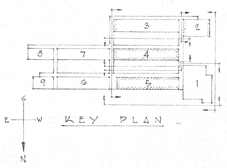
EAST ELEVATION OF BUILDING NO. 4

EAST ELEVATION OF BUILDING NO. 5



WEST ELEVATION BUILDING NO. 4

WEST ELEVATION OF BUILDING NO. 2



BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AUG 4 1953

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID ARCHITECT
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ENGINEER

ELEVATIONS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

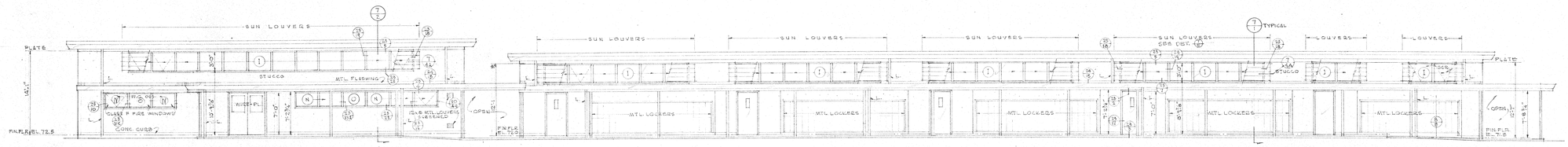
FILE 52-10-X

DATE 6/23/53

SHEET 13

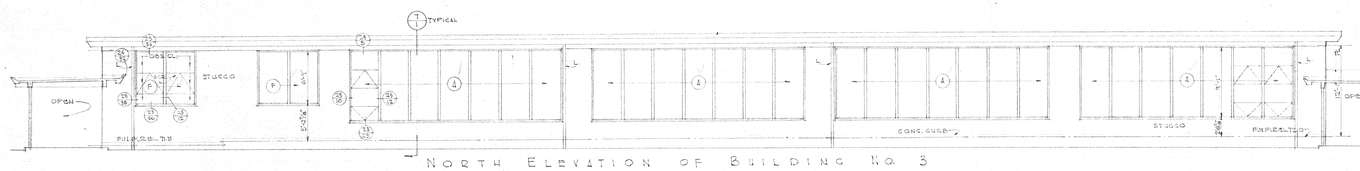
6

OF 43 SHEETS



SOUTH ELEVATION OF BUILDING No. 2

SOUTH ELEVATION OF BUILDING No. 3



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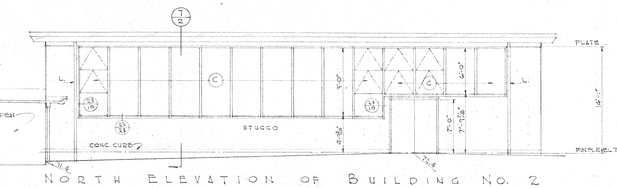

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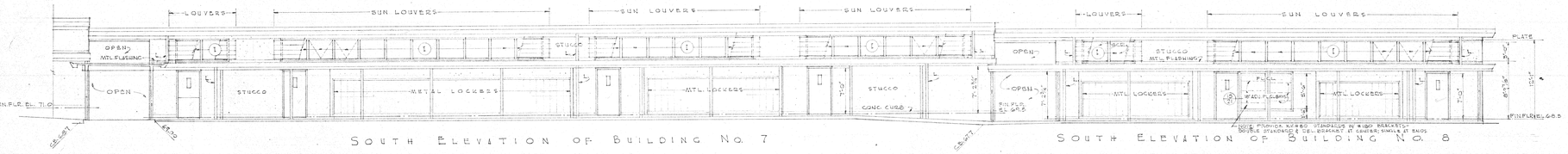
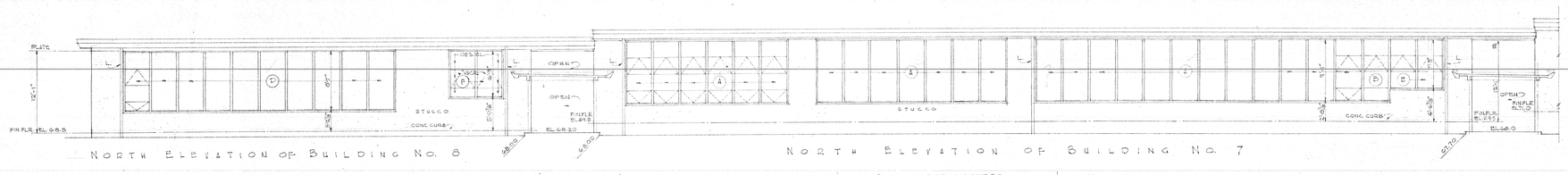


SOUTH ELEVATION OF BUILDING No. 7

SOUTH ELEVATION OF BUILDING No. 8



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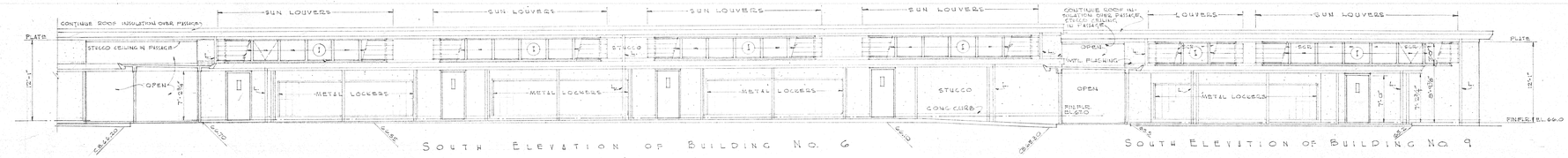
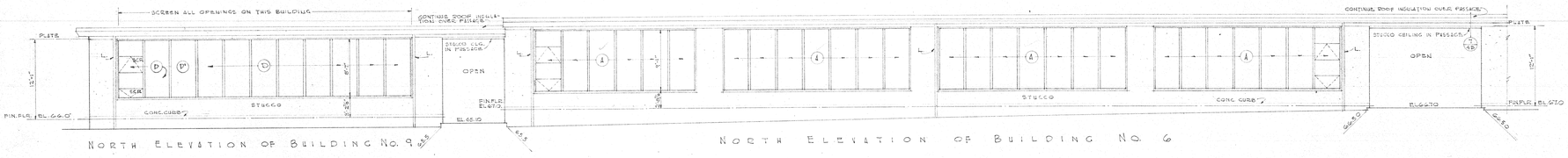


SOUTH ELEVATION OF BUILDING No. 6

SOUTH ELEVATION OF BUILDING No. 9



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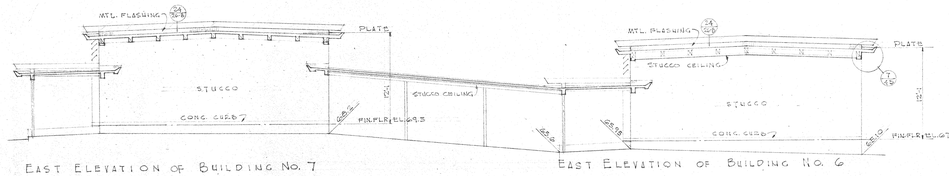
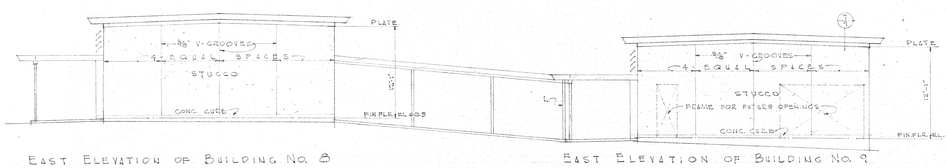


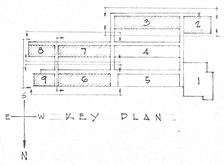
EAST ELEVATION OF BUILDING No. 7

EAST ELEVATION OF BUILDING No. 6



EAST ELEVATION OF BUILDING No. 8

EAST ELEVATION OF BUILDING No. 9



BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF. ARCHITECT

ELEVATIONS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

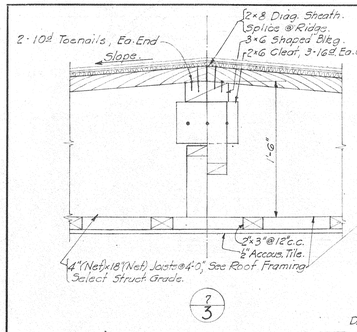
FILE 52-10-X

DATE 6/23/53

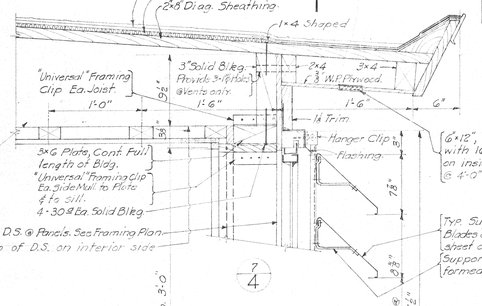
SHEET 14 OF 43 SHEETS

6A

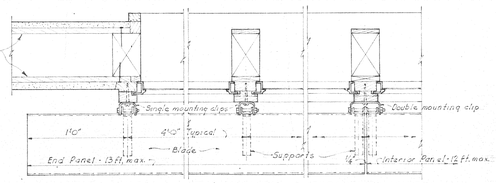
ENGINEER



7/3



7/4



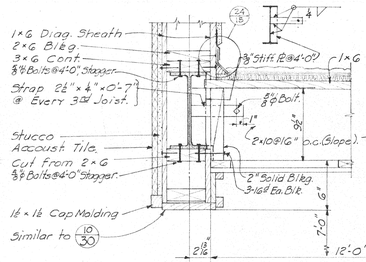
TYP. JAMB · TYP. MULLION · EXPANSION JOINT AT MULLION

Install this expansion joint at each 3rd mullion, so that louver blades do not exceed 12 ft. in length on interior panels or 15 ft. on end panels.

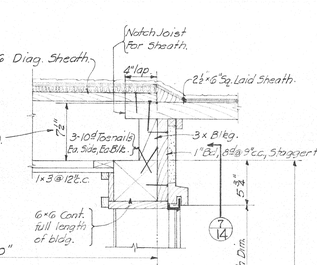
6"×12", 24 Ga. G.I. Louver Vent with 16 mesh insect screen on inside face. Space vents @ 4'-0" ctrs.

SUN LOUVER DETAIL 7/4A

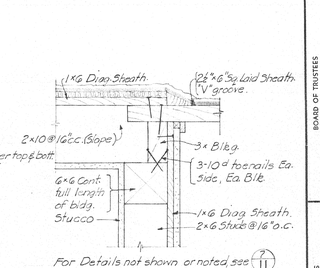
Scale: 1½"=1'-0"



7/10

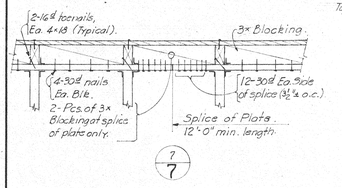


7/14

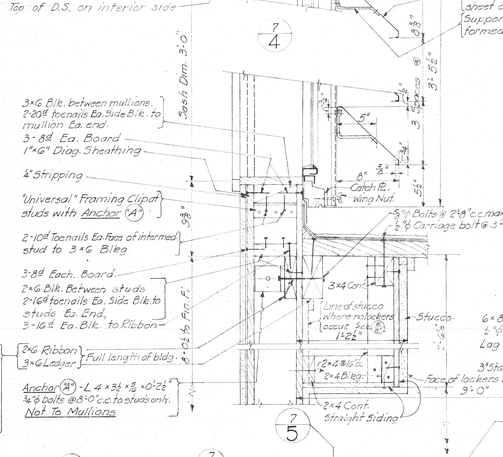


For Details not shown or noted, see 7/11

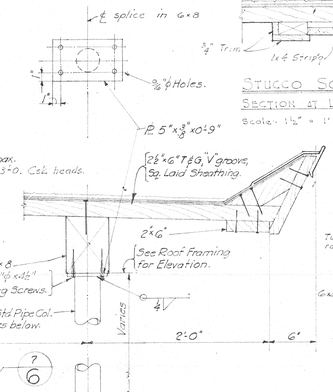
7/12



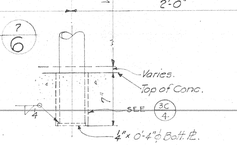
7/7

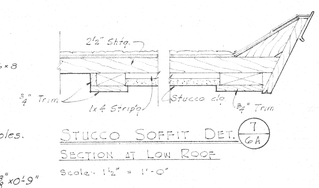


7/5



7/6

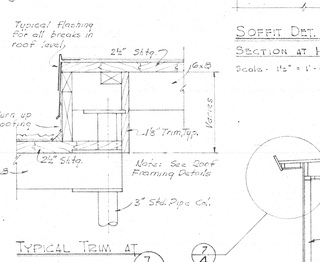




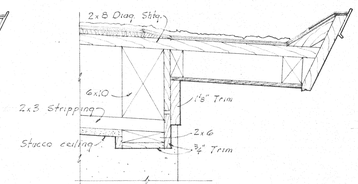
STUCCO SOFFIT DET. 1/6A

SECTION AT LOW ROOF

Scale: 1½"=1'-0"



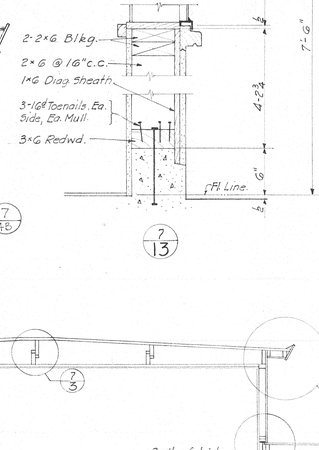
TYPICAL TRIM AT ROOF OFFSETS 7/6B



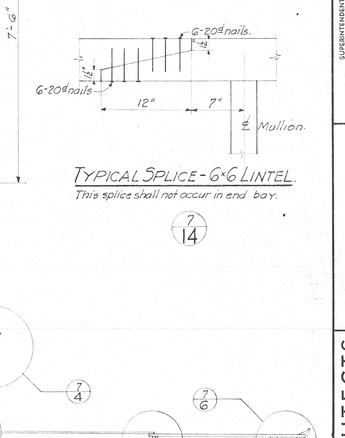
SOFFIT DET. AT PASSAGE BETW'N BLDGS. 7/4B

SECTION AT HIGH ROOF

Scale: 1½"=1'-0"



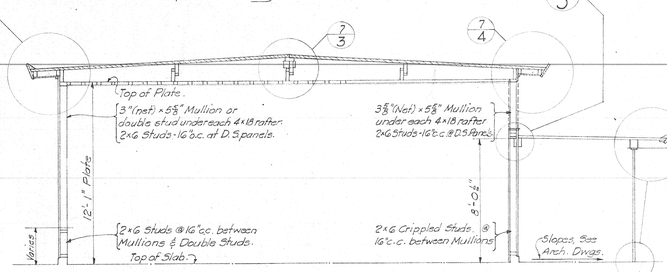
7/13



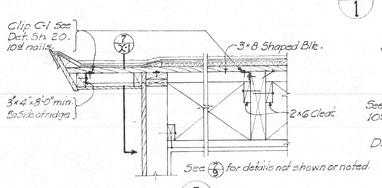
TYPICAL SPLICE - 6×6 LINTEL.

This splice shall not occur in end bay.

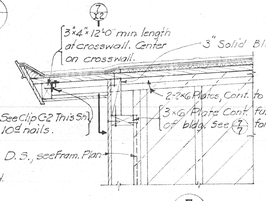
7/14



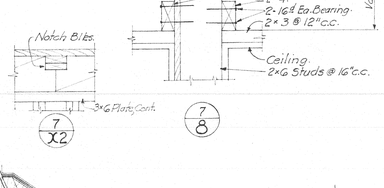
7/1



7/X1

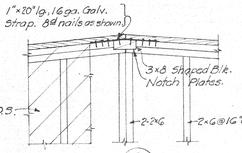


7/16

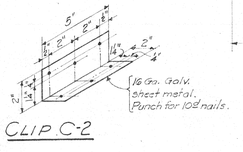


7/X2

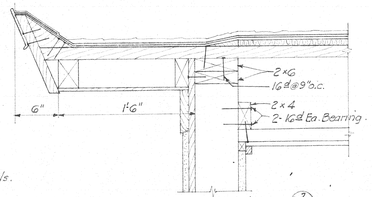
7/8



7/X1

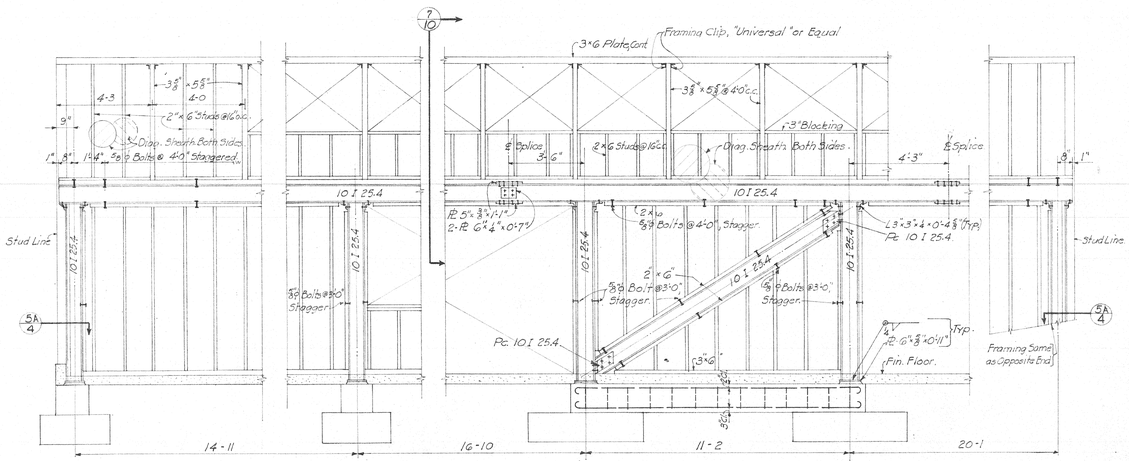


CLIP C-2



For details not shown or noted see 7/4

7/9



Note: Connections Steel to Steel are ¾"ø Rivets (⅞"ø Rib Bolts optional).

7/15

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ENGINEER

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

PREPARED UNDER MY SUPERVISION AND DIRECTION
DATE OF ADOPTION
DATE APPROVED AUG 23 1953
APPROVED
DIVISION OF ARCHITECTURE

CLASSROOM AND SHOP SECTIONS AND DETAILS

AMBROSE INTERMEDIATE SCHOOL

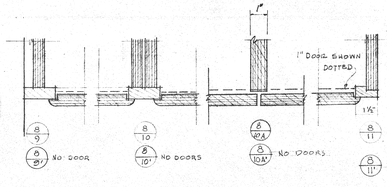
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

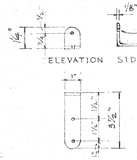
FILE 52-10-X

DATE 6/23/53

SHEET 15

OF 43 SHEETS

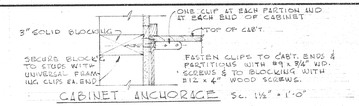




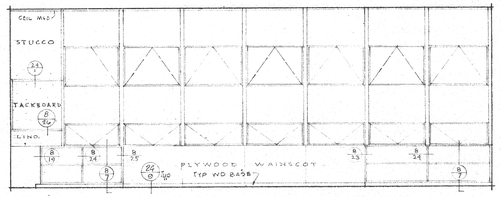
DETAIL OF MTL. CLIPS FOR WALL CABINETS

SCALE 3" = 1'-0"

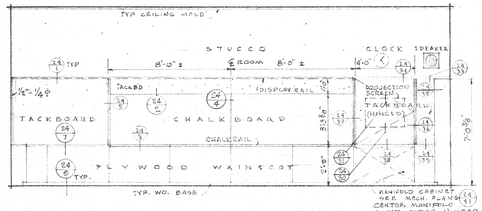
Provide one clip @ Ends & @ each division



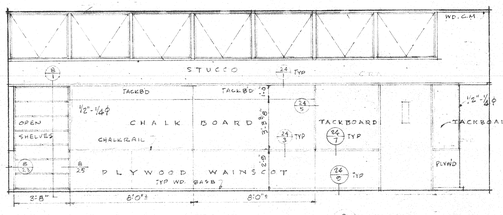
CABINET ANCHORAGE Sc. 1½" = 1'-0"



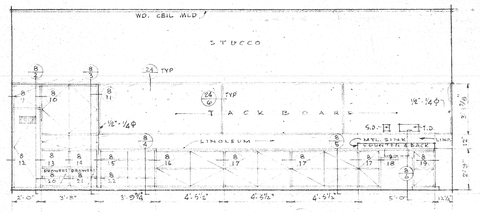
ELEVATION



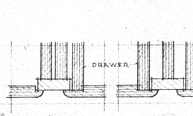
ELEVATION



ELEVATION



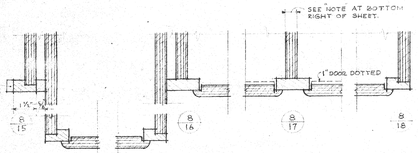
ELEVATION

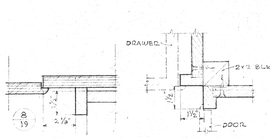


CABINET PLAN DETAILS

SCALE 3" = 1'-0"

NOTE! ALL VERTICAL FACE MEMBERS ARE ¾" X 2⅛" UNLESS OTHERWISE NOTED
ALL CABINET DOORS ARE ¾" UNLESS OTHERWISE NOTED

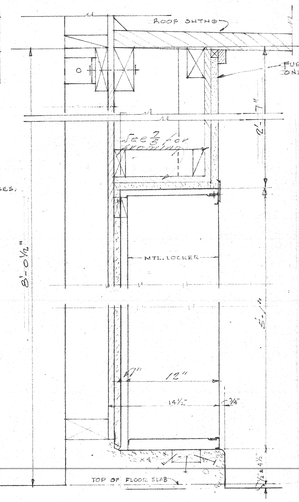


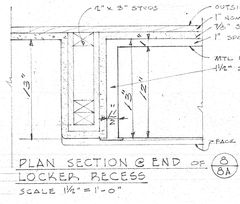


DETAIL

CONDITION @ INTERSECTION OF WALL & ROOF OR SHELTERED WALKWAY BETWEEN LOCKER RECESSES.

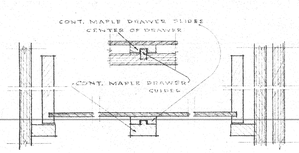
ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2 - 10d NAILS TO EACH STUD OR BLOCK

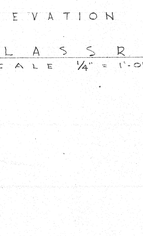




PLAN SECTION @ END OF LOCKER RECESS

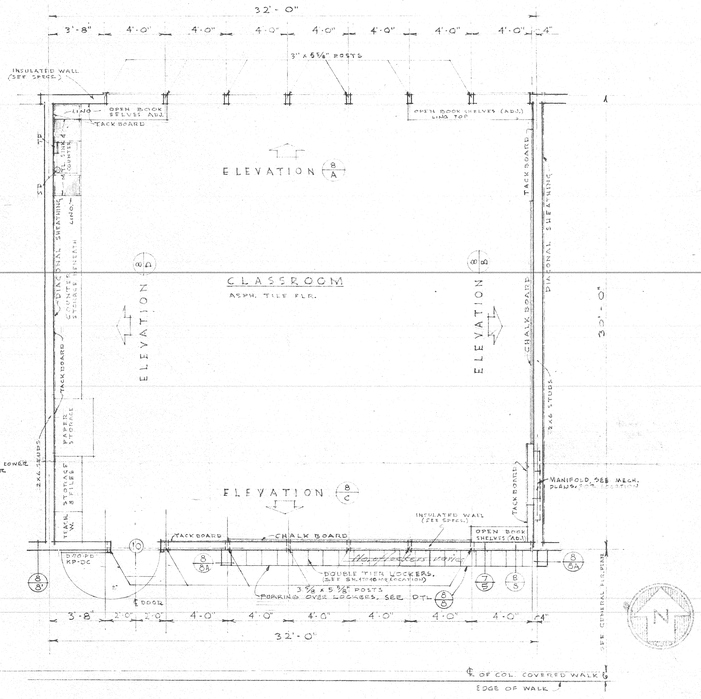
SCALE 1½" = 1'-0"





CLASSROOM ELEVATIONS

SCALE ¼" = 1'-0"



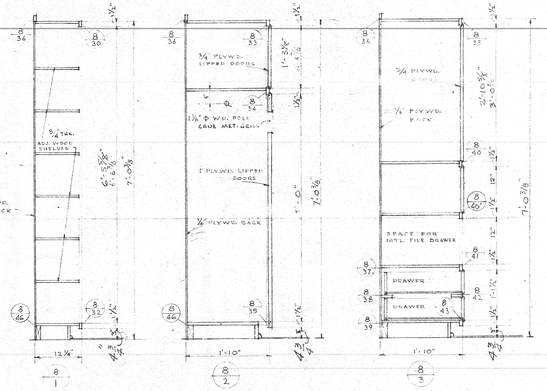
FLOOR PLAN

SCALE ¼" = 1'-0"

NOTE

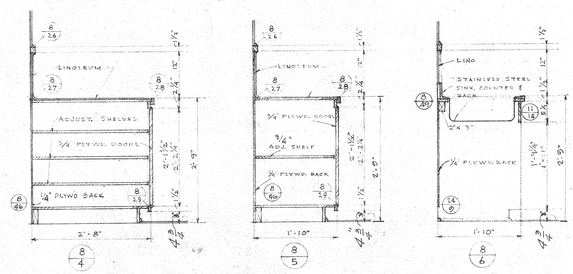
UNLESS OTHERWISE SHOWN THE FOLLOWING NOTES SHALL APPLY TO ALL CABINETS:

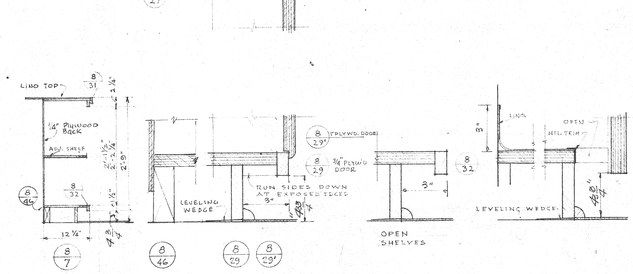
1. DIVISIONS WHICH HAVE ADJUSTABLE SHELVES ON BOTH SIDES SHALL BE 1" NET MINIMUM THICKNESS, & ALL OTHER ENDS AND DIVISIONS OF CABINETS SHALL BE ¾" THICK.
2. ALL FIXED SHELVES SHALL BE RABBETED ¼" INTO THE ENDS AND DIVISIONS AND BE GLUED. WHERE FIXED SHELVES ALIGN ON OPPOSITE SIDES OF A DIVISION, THEY SHALL BE INSTALLED WITH ⅜" ø DOWELS WHICH GO THRU THE DIVISIONS & EXTEND ½" MIN. INTO EACH SHELF AND BE RABBETED AS SPECIFIED ABOVE.



CABINET SECTIONS

SCALE ¾" = 1'-0"



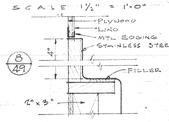


CABINET SECTION DETAILS

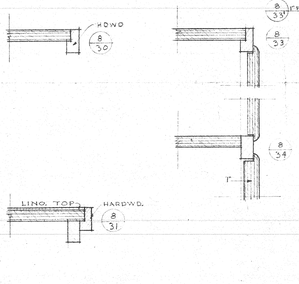
SCALE 3" = 1'-0"

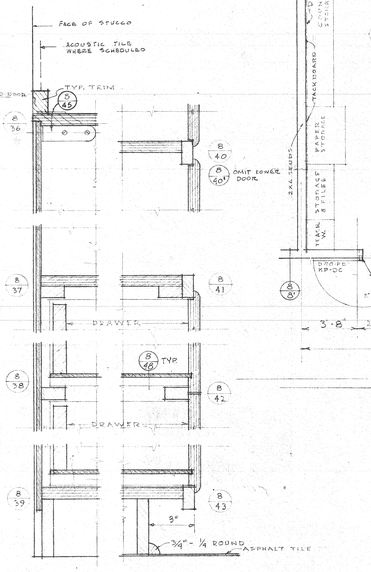
LOCKER DETAIL

SCALE 1½" = 1'-0"



TYPICAL DRAWER DETAIL





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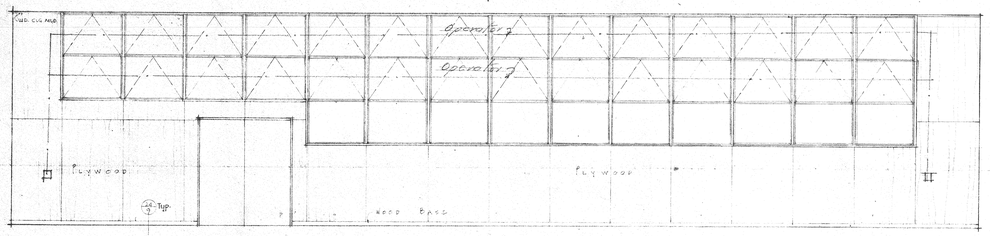
ENGINEER

BOARD OF TRUSTEES

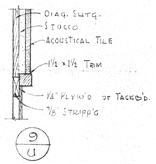
SUPERINTENDENT OF SCHOOLS

CLASSROOM UNIT
DSA APPROVAL
DIVISION OF ARCHITECTURE - DEPARTMENT OF GENERAL SERVICES
APPLICATION NO. 2-34-5-67
AUG 14 1968
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

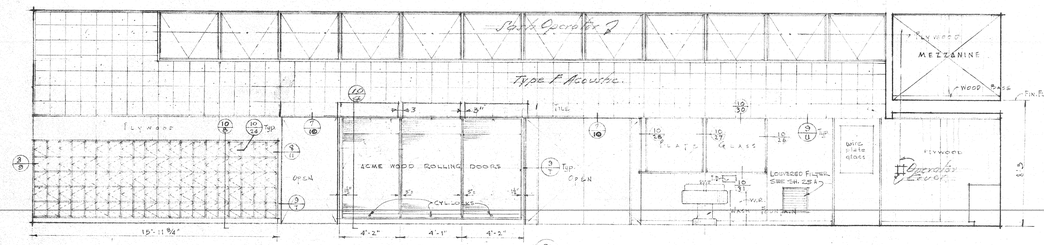
FILE 52-10-X
DATE 6/25/68
SHEET 8
OF 42 SHEETS



ELEVATION 9/D



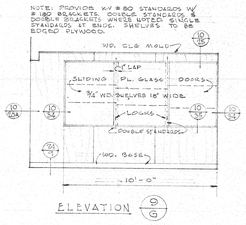
9/C



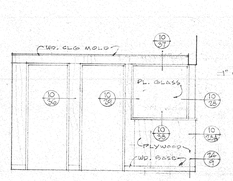
ELEVATION 9/A

SHOP ELEVATIONS

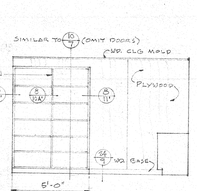
SCALE 1/4" = 1'-0"



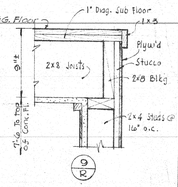
ELEVATION 9/G



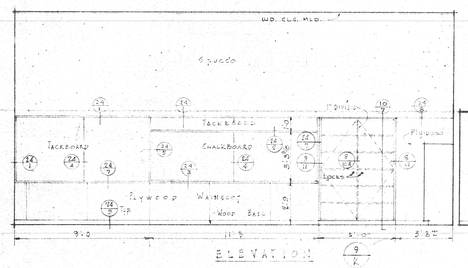
ELEVATION 9/H



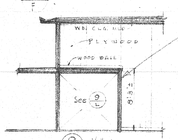
ELEVATION 9/I



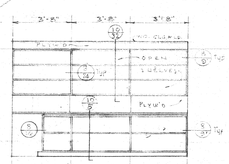
9/K



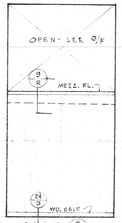
ELEVATION 9/L



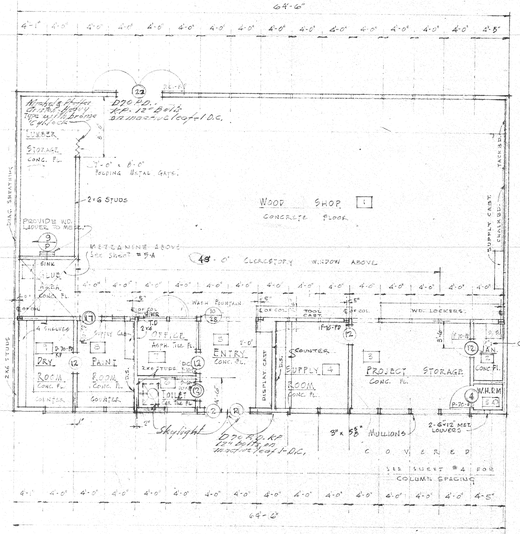
9/F 1/2"=1'-0"



ELEVATION 9/M

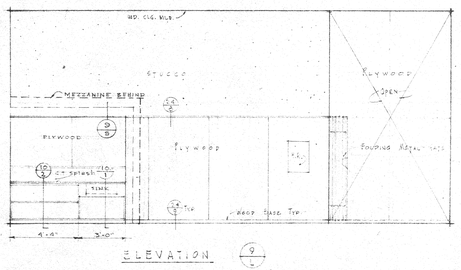


ELEV. 9/J

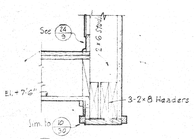


FLOOR PLAN

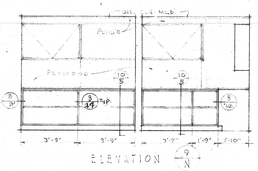
SCALE 1/8" = 1'-0"



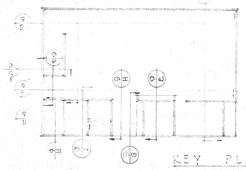
ELEVATION 9/E



9/J

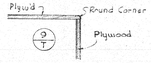


ELEVATION 9/N

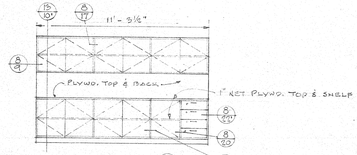


KEY PLAN

SCALE 1" = 20'-0"



9/T



ELEVATION 9/E

NOTE: ALL DOORS & DRAWERS TO HAVE CYL. LOCKS & pulls

NOTE Except as otherwise noted all interior partition studs shall be 2x4 studs @ 16" O.C. & exterior walls shall be 2x6 studs @ 16" o.c. allowing for structl. at posts.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

THESE PLANS ARE THE PROPERTY OF ROBERT WHITE DIVISION OF ARCHITECTURE
No. 6917 REGISTERED ARCHITECT
Date AUG 9 1953

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BLVD. OAKLAND 10, CALIF.
ARCHITECT
ENGINEER

SHOP UNIT
BLDG. NO. 6

AMBROSE INTERMEDIATE SCHOOL

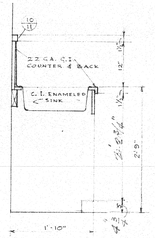
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

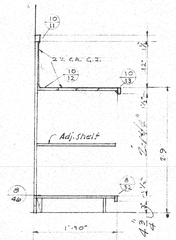
DATE 6/23/53

SHEET #7

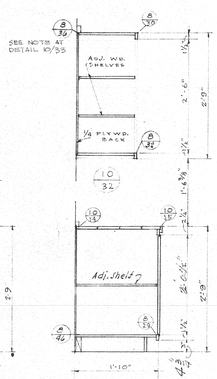
OF 43 SHEETS



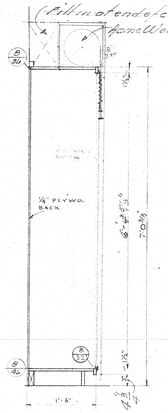
10/1



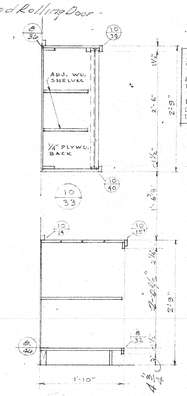
10/2 GLUE COUNTER



10/3

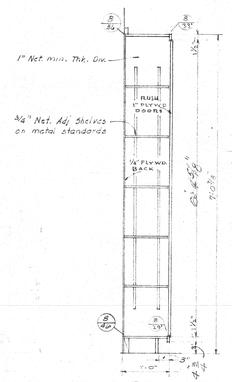


10/4 TOOL CABT.

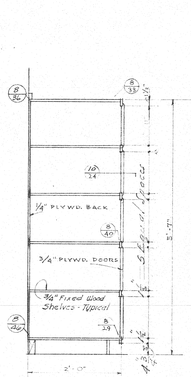


10/5

NOTE: AT ALL HANGING CABTS. PROVIDE CLIPS INSTALLED AS IN DETAIL 8/45 AT BOTH TOP AND BOTTOM OF EACH END AND OF EACH SIDE OF EACH DIVISION OF CAB'T. USING 3/4" x 4" H.D. SCR. INTO BLOCKING.

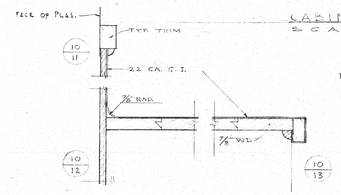


10/7 SUPPLY CABT.

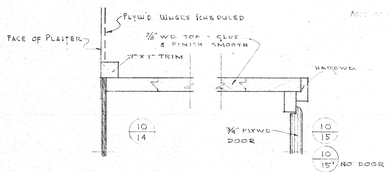


10/8 W.W. LOCKERS

CABINET SECTIONS
SCALE 3/4" = 1'-0"



10/11 10/12 10/13



10/14 10/15 10/15A NO DOOR

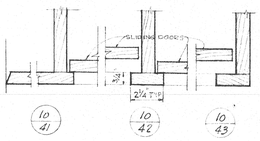
ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK

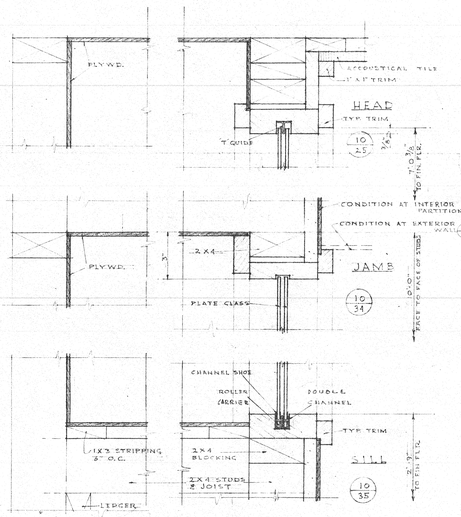
CABINET SECTION DETAILS
SCALE 3" = 1'-0"



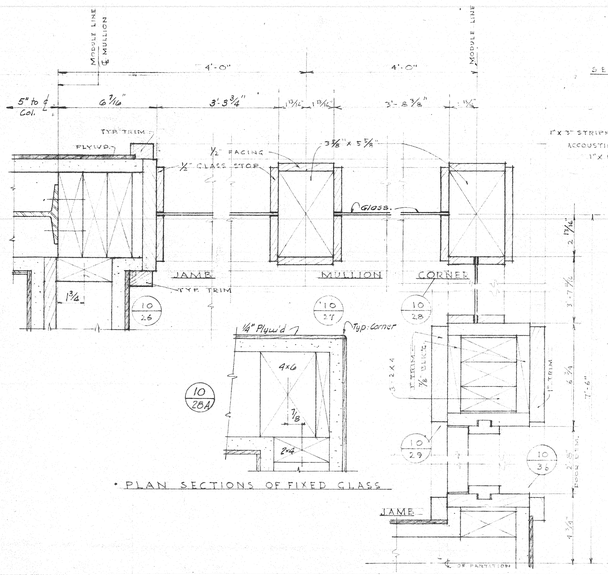
10/39 10/40

SLIDING CABT. DOORS

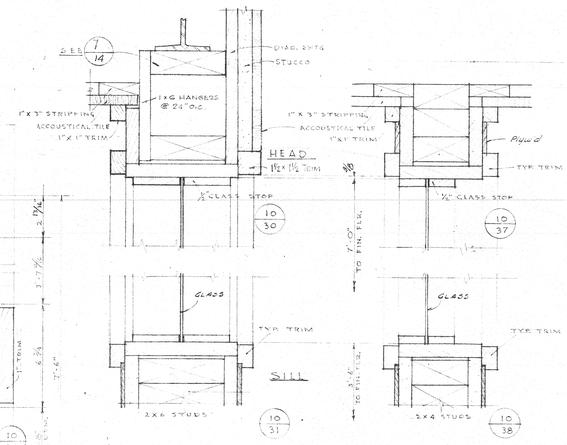


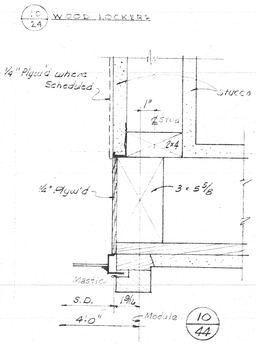


• DISPLAY CASE



• PLAN SECTIONS OF FIXED GLASS





DOOR & WINDOW DETAILS
SCALE 3" = 1'-0"

NOTE: FOR STRUCTURAL DATA SEE STRUCTURAL DRAWINGS.

BOARD OF TRUSTEES

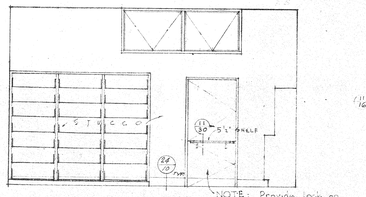
SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
ARCHITECT
2500 PARK BLVD., OAKLAND 10, CALIF.
ENGINEER

WOOD & METAL SHOP
BLDG. NO. 2
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

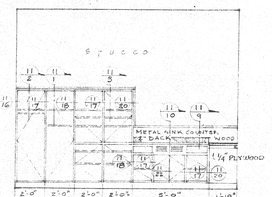
FILE 52-10-X
DATE 6/23/53

SHEET 10
OF 43 SHEETS

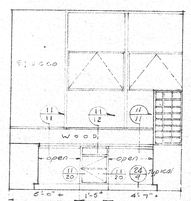


ELEVATION (11/K)

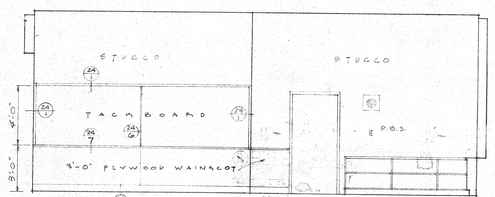
NOTE: Provide locks on upper door & louvers both to bolt door sections together & to bolt louver portion in closed position.



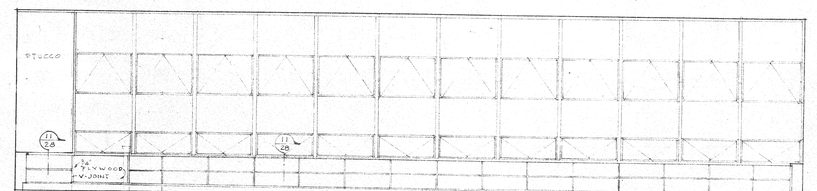
ELEVATION (11/E)



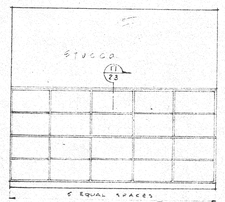
ELEVATION (11/F)



ELEVATION (11/A)



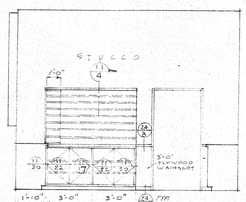
ELEVATION (11/B)



ELEVATION (11/L)

BOOK ROOM

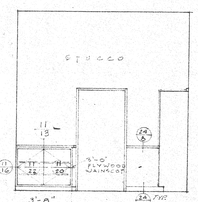
SCALE: ¼"=1'-0"



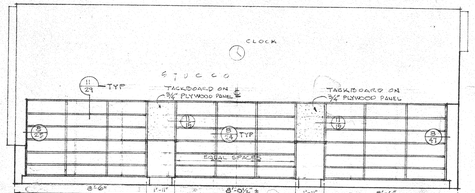
ELEVATION (11/G)

WORK ROOM

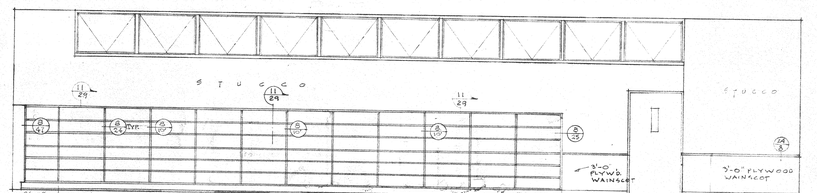
SCALE: ¼"=1'-0"



ELEVATION (11/H)



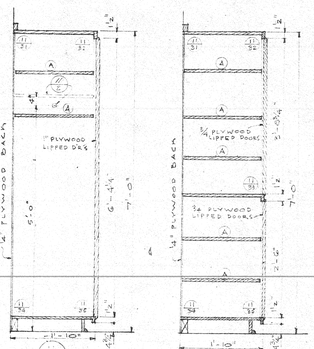
ELEVATION (11/C)

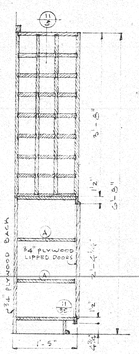


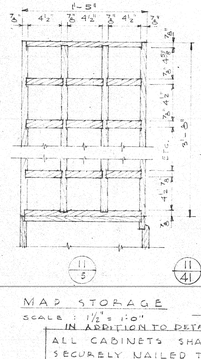
ELEVATION (11/D)

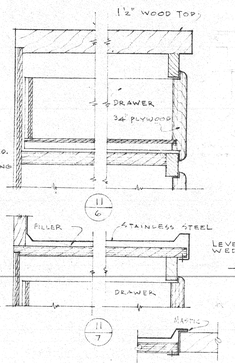
LIBRARY ELEVATIONS

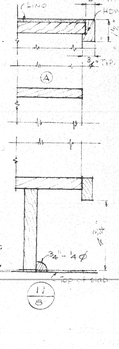
SCALE: ¼"=1'-0"







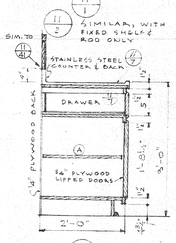


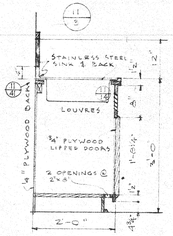


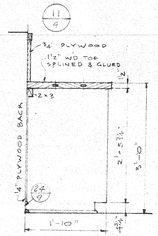
MAP STORAGE

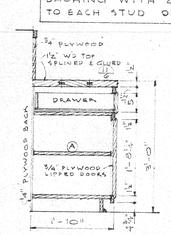
SCALE: 1½"=1'-0"

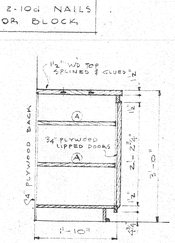
IN ADDITION TO DETAIL 8/45 ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EACH STUD OR BLOCK

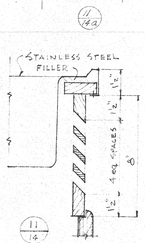










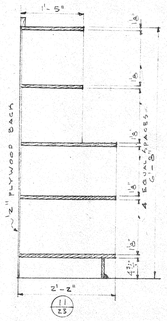


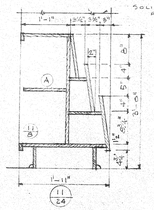
CABINET SECTIONS

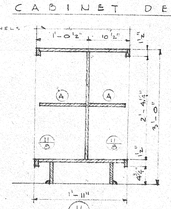
SCALE: ¾"=1'-0"

CABINET DETAILS

SCALE: 3"=1'-0"

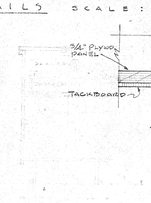


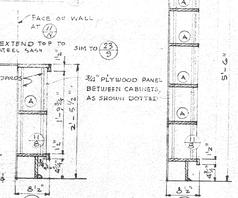




CABINET SECTIONS

SCALE: ¾"=1'-0"



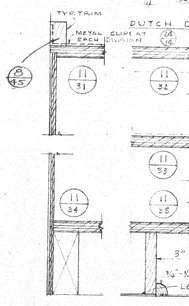


ADJUSTABLE SHELVING TO HAVE K-V NO. 255 STANDARDS & NO. 239 BRACKETS. STANDARDS SHALL BE COUNTERSUNK FLUSH & INSTALLED SO THAT SHELVING WILL BE ABSOLUTELY LEVEL.

NOTE: (A) = ADJUSTABLE SHELF, ¾" THICK

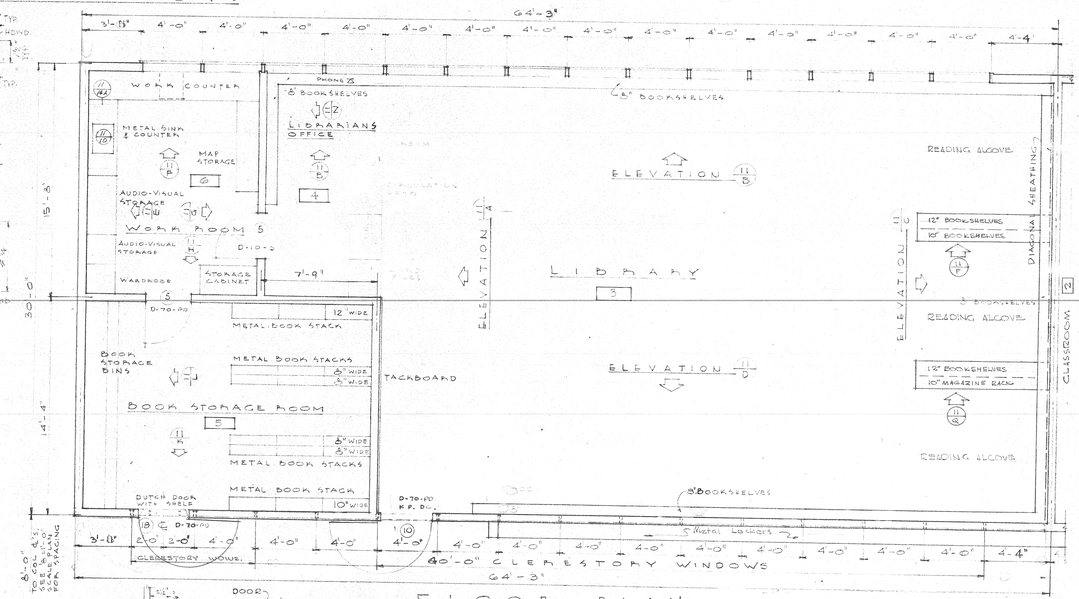
CABINET DETAILS

SCALE: 3"=1'-0"



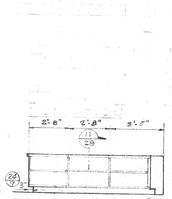
SCALE: 3/16"=1'-0"

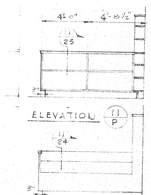
UNLESS OTHERWISE NOTED ALL VERTICAL RAILS SHALL BE 2⅛"



FLOOR PLAN

SCALE: 1/4"=1'-0"





SCALE: ¼"=1'-0"

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2200 SAN PABLO AVE., OAKLAND 10, CALIF.
ARCHITECT ENGINEER

LIBRARY BLDG. NO. 7

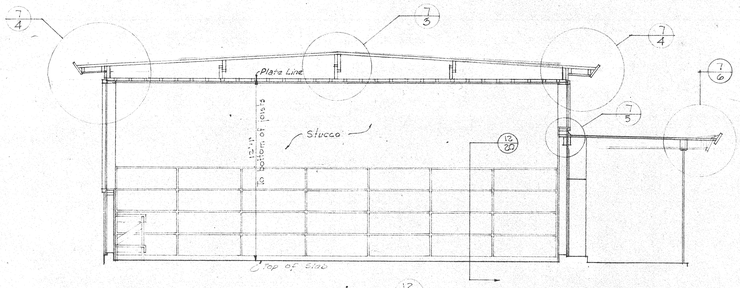
AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

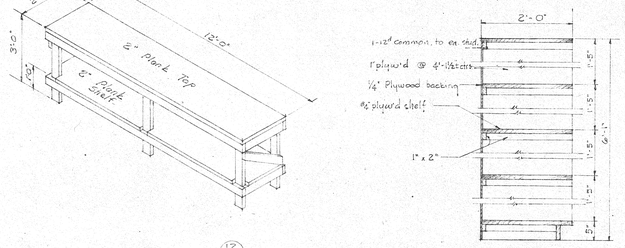
DATE 6/23/53

SHEET-NO. 11 OF 43 SHEETS



SECTION (12/18)

1/4" = 1'-0"

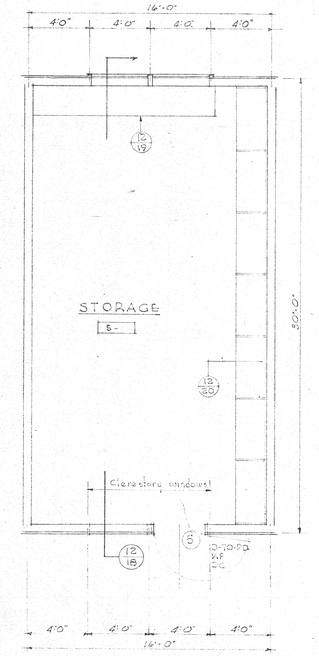


DETAIL (12/20)

3/4" = 1'-0"

WORK BENCH (12/18)

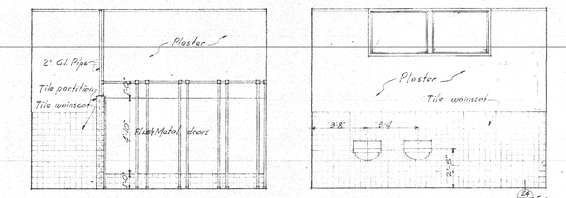
Top & shelf shall be 2" stock at least 18" wide; each plank to be full length of bench. Joints shall be splined and glued. Top shall be machine sanded after assembly to give a uniform surface. Legs, rails & braces shall be 2"x 4". Provide brace at each end as shown, and a V-brace on the back. Use 16d nails for all connections; predrill where necessary to prevent splitting. All lumber used shall be clear Douglas fir.



FLOOR PLAN

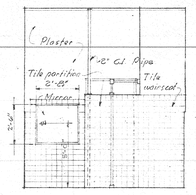
1/4" = 1'-0"

STORAGE UNIT



ELEVATION (12/1)

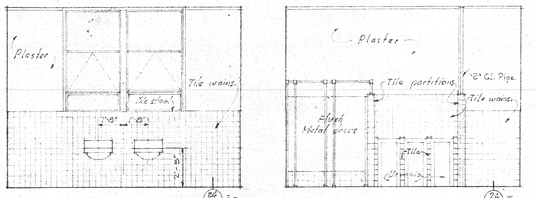
ELEVATION (12/2)



ELEVATION (12/3)

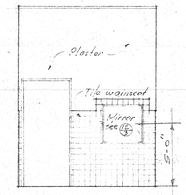
GIRL'S TOILET RM.

1/4" = 1'-0"



ELEVATION (12/4)

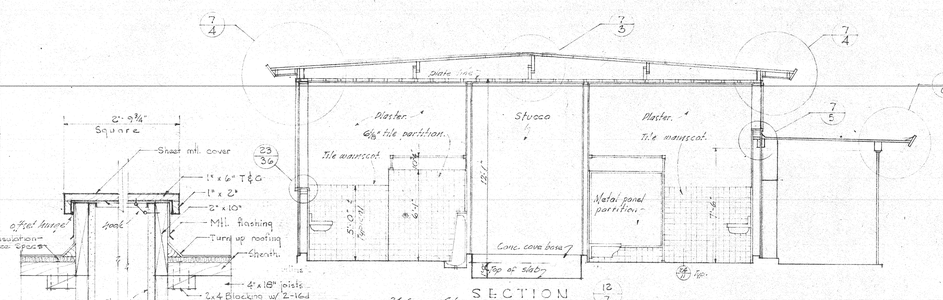
ELEVATION (12/5)



ELEVATION (12/6)

BOY'S TOILET RM

1/4" = 1'-0"



SECTION (12/7)

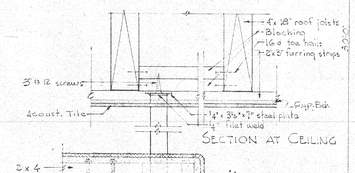
1/4" = 1'-0"

SECTION THRU SCUTTLE (12/17)

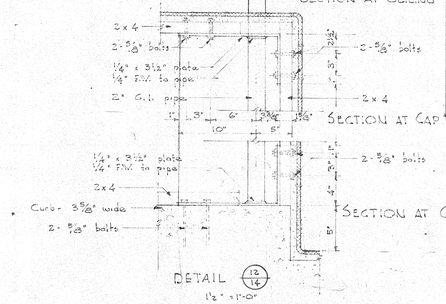
1 1/2" = 1'-0"

CLG VENT DET. (12/21)

3/4" = 1'-0"

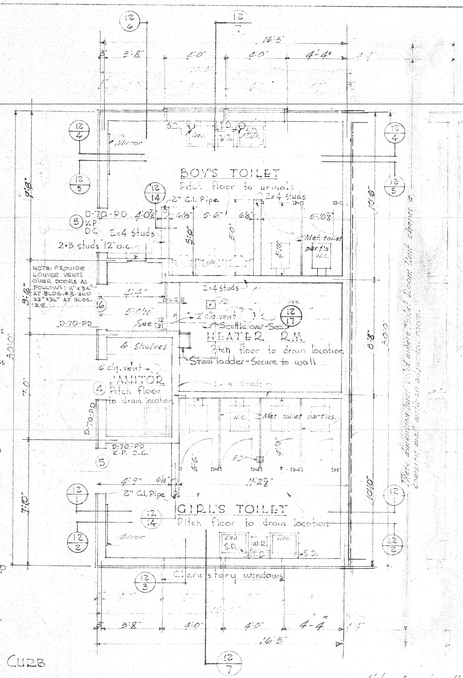


SECTION AT CEILING



DETAIL (12/14)

1 1/2" = 1'-0"



FLOOR PLAN

1/4" = 1'-0"

TOILET UNIT

Notes: Except as otherwise noted all exterior partitions shall be 2x4 studs @ 12" o.c. and exterior walls shall be 2x6 studs @ 16" o.c. adjoining for structural units.

NOTE! VERIFY LAV. MTG HTS (2'-2" IS NORMAL)

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BLDG. NOS. 2, 3, 4, 5, 6
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

SHEET NO. 12 OF 43 SHEETS

INTERIOR ELEVATIONS · SCALE · 1/4" = 1'-0"

JUNIOR TRAFFIC RESERVE 2

HEALTH 3

TOILET 4

TOILET 5

PRINCIPAL 10

WAITING 11

COOR 11B

WAITING 11

COOR 11A

COOR 11B

OFFICE 12

MEN 13

WOMEN 14

MEN 13

WOMEN 14 OPP. HAND

WORK ROOM 15

SUPPLY ROOM 18

TEACHERS' WORK ROOM 19

KITCHEN 19A

KITCHEN 19A

SHELVING DETAIL EM NO 18 & 19 (19/9)

CABINET EM NO 19-A (19/10)

EM NO 15 SIMILAR

SECT (19/11)

WALL BOX DETAILS EM NO 19 & 19-A (19/11)

CABINET EM NO 19-A (19/13)

CABINET EM NO 19-A (19/14)

HEAD JAMB SIM (19/1)

GLASS COVERED BULLETIN BOARD

TILE WAINSCOT DETAIL (19/5)

SILL (19/2)

SHELF & ROD ROOM NO 2 (19/4)

SECTION (19/5)

SIGNAL BACK - ROOM NO 2

ELEVATION (19/6)

METAL SHELF TOILET ROOMS (19/7)

SECT (19/8A)

PLAN SECT - SQUIB RESISTANT PARTN (19/8)

NOTE: WHERE SOUND RESISTANT PARTN OCCURS AT EXT. SHEATHED WALLS USE 2X6 STUDS STAGGERED WITH 2X3 PLATE & SILL

COUNTER EM NO 12 (19/15)

COUNTER EM NO 12 (19/16)

COUNTER EM NO 12 (19/17)

MULLION AT SQUIB RESISTANT PARTN EM NO 10 (19/19)

SLIDING DOOR DETAILS (19/18)

SHELTERED WALKWAY

FLOOR PLAN

SCALE: 1/4"-1'-0"

NOTE: SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL DATA AND DETAILS.

NORTH

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CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
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ENGINEER

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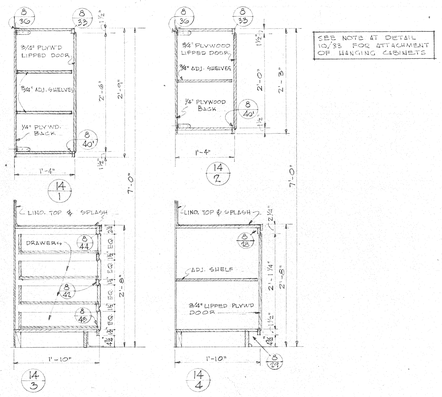
CONTRA COSTA COUNTY, CALIFORNIA

ADMINISTRATION UNIT
AMBROSE INTERMEDIATE SCHOOL
BISHOP, CALIFORNIA

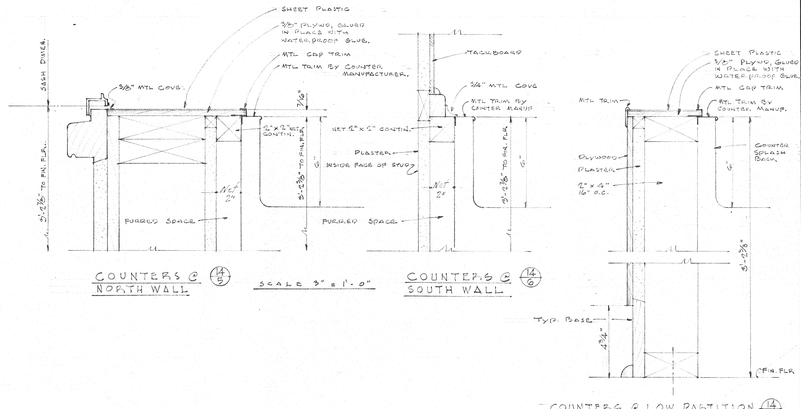
FILE 52-10-X

DATE 6/23/53

SHEET 21
13
OF 43 SHEETS



SEE NOTE AT DETAIL 10/33 FOR ATTACHMENT OF HANGING CABINETS



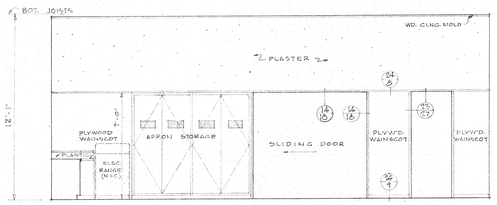
COUNTERS @ NORTH WALL (14/5)

SCALE 3" = 1'-0"

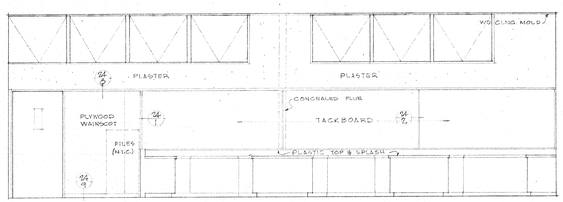
COUNTERS @ SOUTH WALL (14/6)

COUNTERS & LOW PARTITION (14/7)

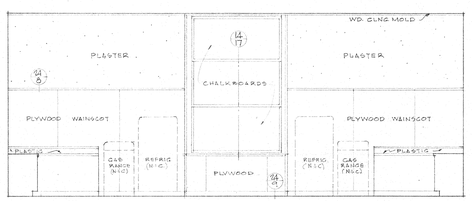
SCALE 3" = 1'-0"



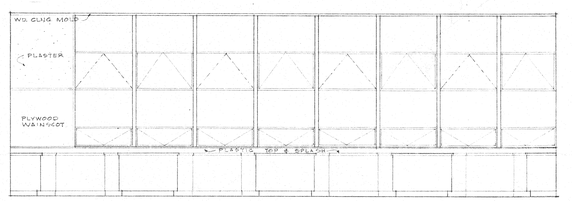
ELEVATION (14/8)



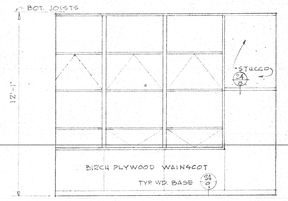
ELEVATION (14/9)



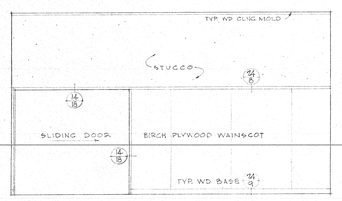
ELEVATION (14/10)



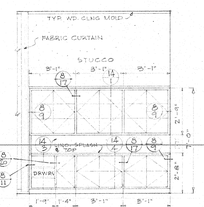
ELEVATION (14/11)



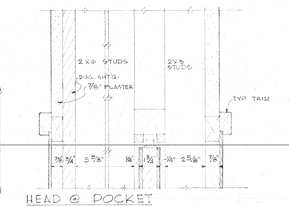
ELEVATION (14/12)

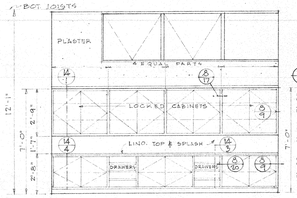


ELEVATION (14/13)



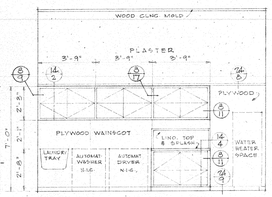
ELEVATION (14/14)



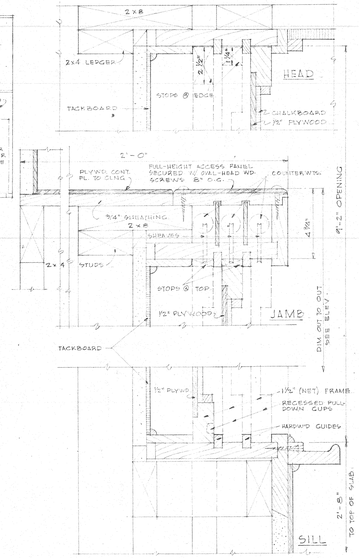


ELEVATION (14/15)

SCALE ALL ELEVATIONS 1/2" = 1'-0"

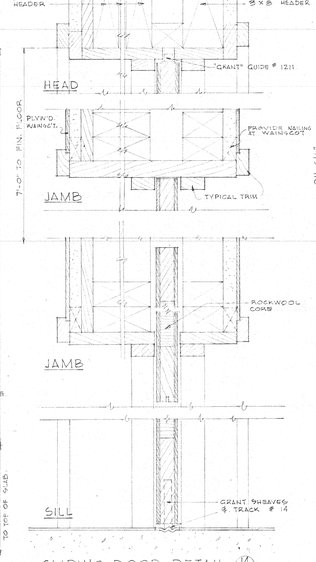


ELEVATION (14/16)



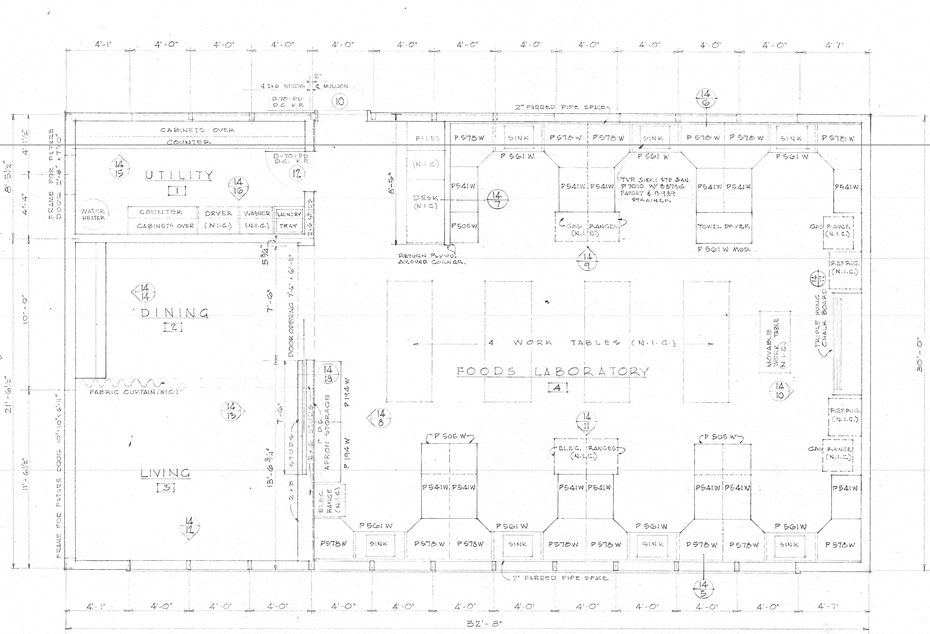
TRIPLE-HUNG CHALKBOARD (14/17)

SCALE 3" = 1'-0"



SLIDING DOOR DETAIL (14/18)

SCALE 3" = 1'-0"



FLOOR PLAN

SCALE 1/4" = 1'-0"

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ARCHITECT
ENGINEER

HOME MAKING UNIT
BLDG. NO. 2

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 32-10-X

DATE 6/23/53

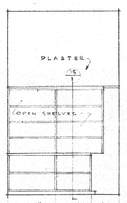
SHEET 22

11

OF 13 SHEETS

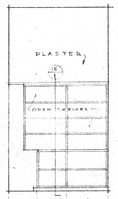


ELEVATION 15/E

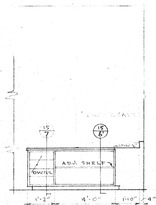


ELEVATION 15/F

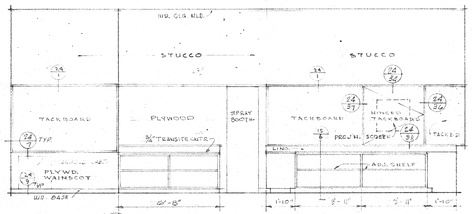
STORAGE RM.



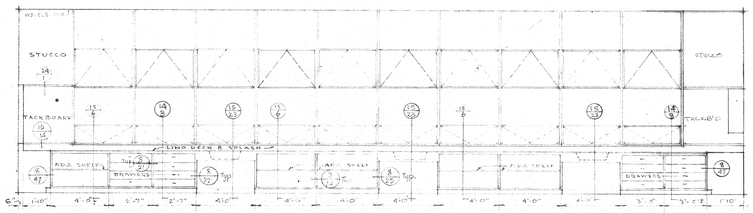
ELEVATION 15/G



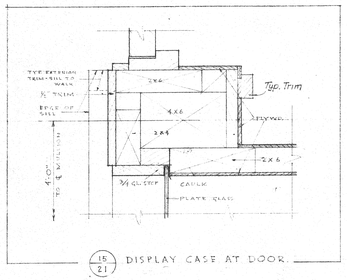
ELEVATION 15/I



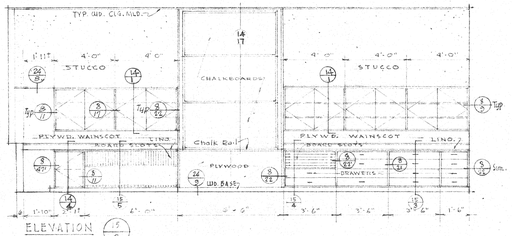
ELEVATION 15/A



ELEVATION 15/B



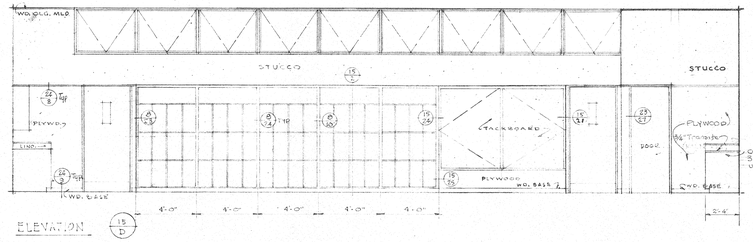
15/21 DISPLAY CASE AT DOOR



ELEVATION 15/C

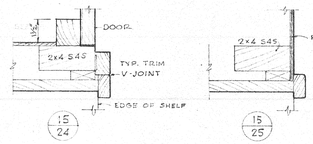
ART ROOM ELEVATIONS

SCALE: 1/4" = 1'-0"



ELEVATION 15/D

NOTE: FOR STRUCTURAL DATA SEE STRUCTURAL DRAWINGS.

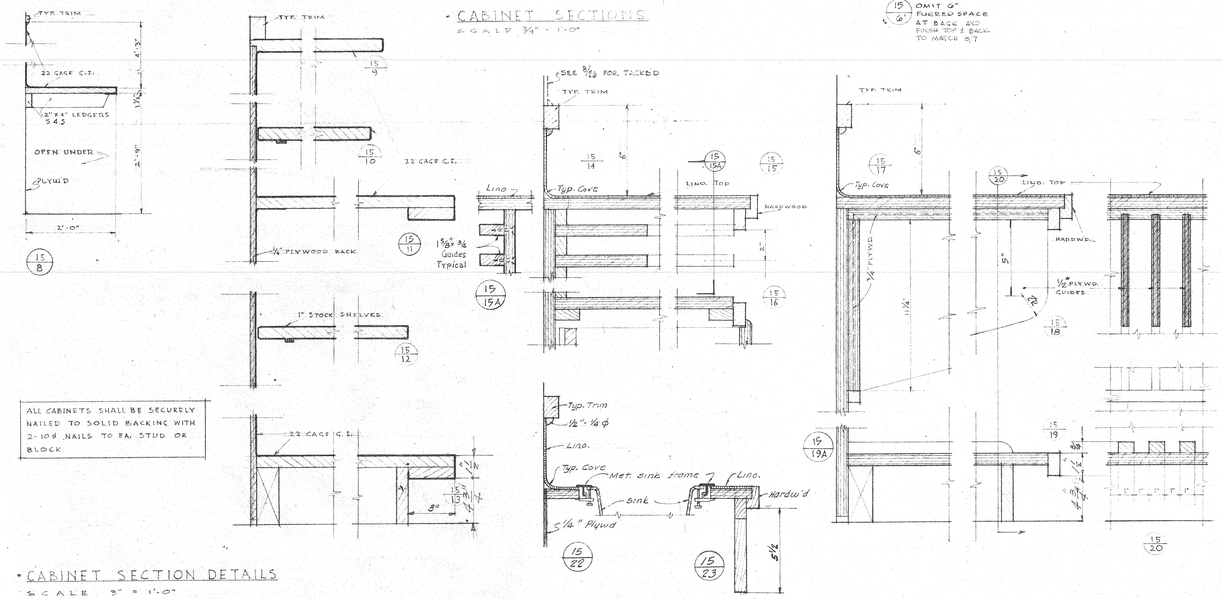


15/24 15/25

15/1 15/2 15/3 15/4 15/5 15/6 15/7

CABINET SECTIONS

SCALE 3/4" = 1'-0"

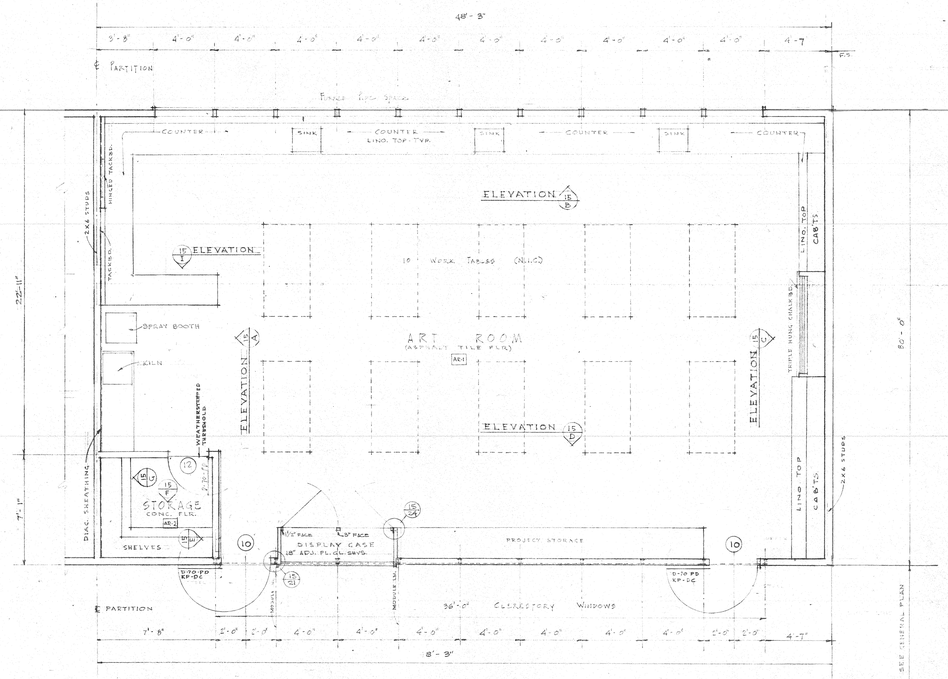


15/8 15/10 15/9 15/11 15/12 15/13 15/15A 15/14A 15/16 15/17 15/19A 15/18 15/19 15/20 15/22 15/23

ALL CABINETS SHALL BE SECURELY NAILED TO SOLID BACKING WITH 2-10d NAILS TO EA. STUD OR BLOCK.

CABINET SECTION DETAILS

SCALE 3" = 1'-0"



FLOOR PLAN

SCALE: 1/4" = 1'-0"

NOTE - EXCEPT AS OTHERWISE NOTED ALL INTERIOR PARTITIONS SHALL BE 2 x 4 STUDS @ 16" O.C. & EXTERIOR WALLS SHALL BE 2x6 STUDS @ 16" O.C. ALLOWING FOR STRUCTURAL POSTS.

- ALL EXTERIOR WALLS SHALL BE INSULATED WITH TYPE II "ALPET"

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ARCHITECT

ENGINEER

ART ROOM UNIT
BLDG. NO. 8

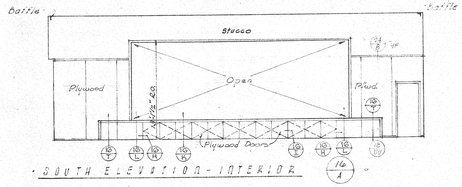
AMBROSE INTERMEDIATE SCHOOL

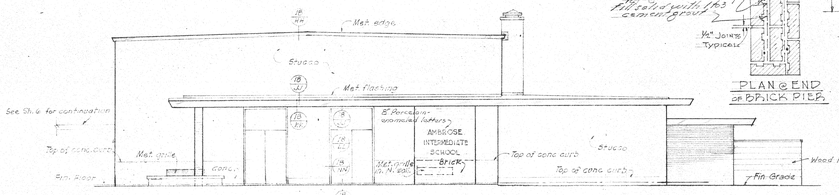
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

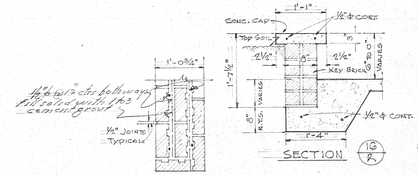
FILE 52-10-X

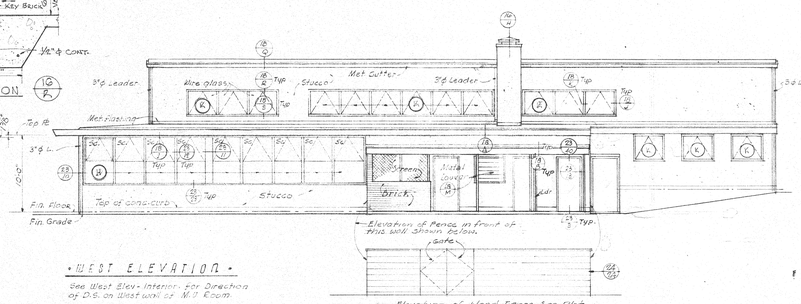
DATE 6/23/53

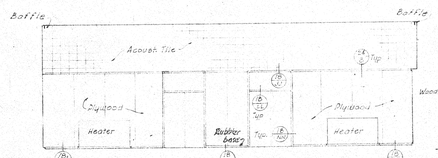
SHEET 23
15
OF 43 SHEETS

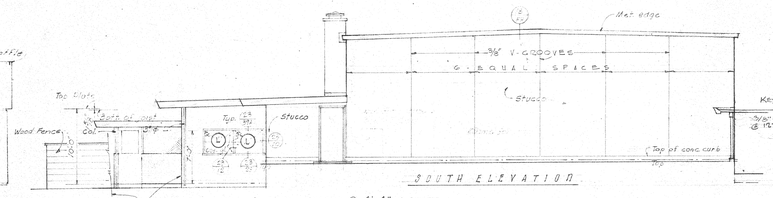


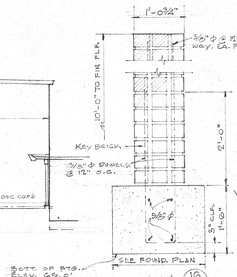


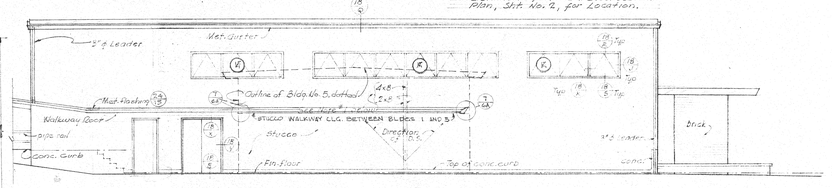












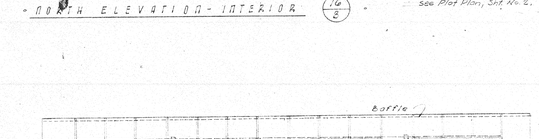
Note #: Var. 1-6x8 continuous to an side, thus 4-6x8 & 2-4x8 Post.

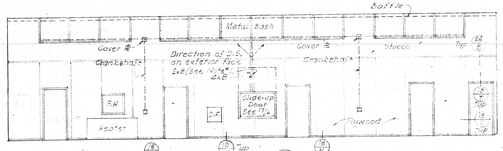
MULTI-USE UNIT • EXTERIOR ELEVATIONS •

NOTE! Door and window frame detail references shown as 'Typical' shall apply in every respective condition for all doors and windows in all rooms on that particular elevation, unless specifically noted otherwise.

Scale of elevations 1/8" = 1'-0"

Abbreviations: Sc. = Screen.





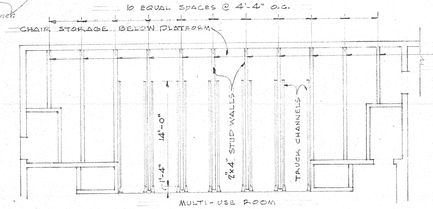


• MULTI-USE ROOM • INTERIOR ELEVATIONS • 1/8" = 1'-0"

Note! Provide window drapes on E & W walls when drawn over windows, drapes shall extend continuously from N. to S. walls of M.U. room.

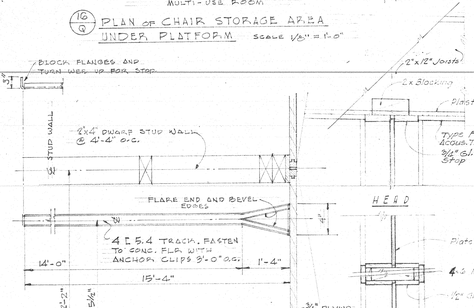
Drapes shall hang 2'-0" below window sills. Curtain track is continuous above E & W. walls for entire length of the room.

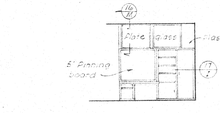
Note! Where interior façade finish is stucco, this band shall be plaster.



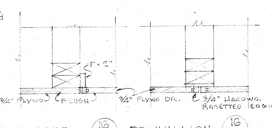
Stud partitions under platform, 2"x4" @ 16" O.C. contin. bracing V-3 every 3rd line of studs. See Detail, Sht. No. 12.

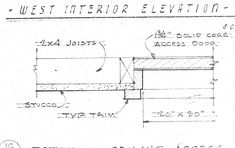
PLAN OF CHAIR STORAGE AREA UNDER PLATFORM Scale 1/8" = 1'-0"

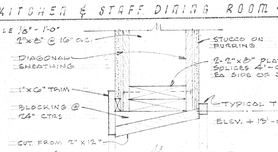


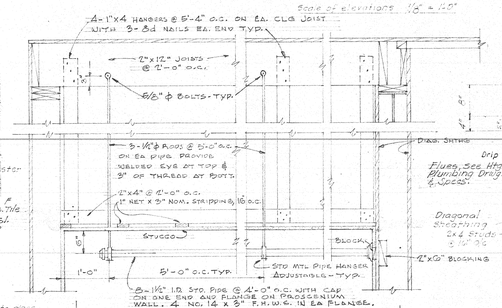


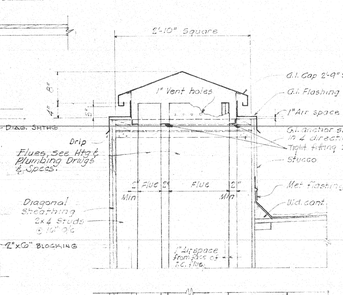
WINDOW BETWEEN KITCHEN & SCULLERY 1½" = 1'-0"

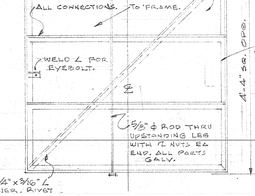


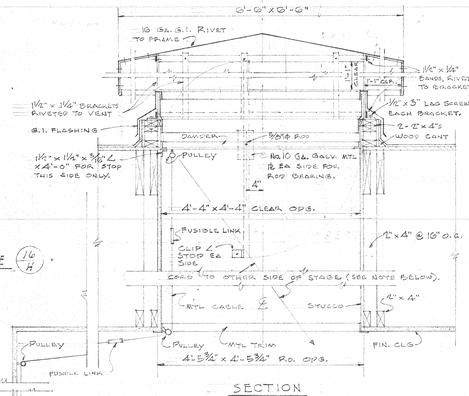








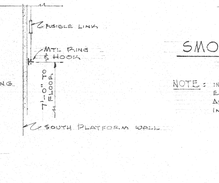


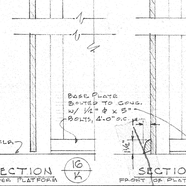


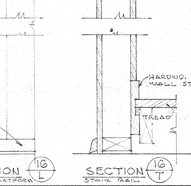
SMOKE VENT DETAILS

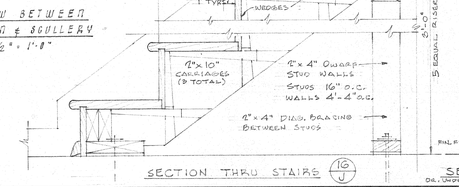
Scale 3/4" = 1'-0"

NOTE: Install two cable assemblies, one at each side of rear wall. Each assembly to operate damper independently.









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• MULTI-USE UNIT • BLDG. NO. 1
INTERIOR & EXTERIOR ELEVATIONS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/52

SHEET 24
16
OF 43 SHEETS

TYP. FOOT DETAIL (17/A)
Scale 3"=1'-0"
Notes: Use this foot on all equipment

DRAWERS (17/B) (17/C)
Scale 3/8"=1'-0"

KITCHEN EQUIPMENT (17/H)
SCALE: 3/8"=1'-0"

CLEAN DISH TRUCK (17/G)
(provide 2)

SERVING LINE (17/T)
SCALE: 3/8" = 1'-0"

KITCHEN EQUIPMENT PLAN (17/M)
SCALE: 1/4" = 1'-0"

NOTE! Unless shown otherwise all kitchen equipment is metal. See specifications.

RANGE HOOD & STACK (17/W)
Scale 3/8"=1'-0"

ELEVATION
Scale 3/8"=1'-0"

SECTION (17/D)
Scale 1 1/2"=1'-0"

SHELF (17/D)

COOKS TABLE (17/E)
Scale 3/8"=1'-0"

DESK & CABINET IN KITCHEN (17/F)
SCALE: 3/8" = 1'-0"

JAMB AT SCULLERY (17/J)

JAMB AT STAFF DINING P.M. (17/K)

COUNTER (17/R)
Scale = 1 1/2"=1'-0"

SOILED DISH PORT AT SCULLERY SHOWING SLIDE-UP DOOR (17/L)
(SOILED DISH PORT AT STAFF DINING ROOM SIMILAR)

TRAY RAIL AN SNEEZE GUARD (17/N)
Scale 1 1/2"=1'-0"

CASHIERS COUNTER (17/O)

CASHIERS COUNTER (17/P)
Scale 1 1/2"=1'-0"

INTERIOR WALL AT SCULLERY (17/T)
SCALE: 1/2" = 1'-0"

SCULLERY (17/U)
SCALE: 3/8" = 1'-0"

Note: Where interior stucco finish is shown, it shall be sand-finish plaster.

SECTION THRU GARBAGE STATION SCREEN (17/S)

SCREEN DOOR DETAIL (17/V)

The following notes apply to all cabinets and shelving in Dry Storage Room MU-G.
1. All shelves, tops, dividers and ends are 3/4" thick.
2. All shelves are 11 7/8" wide and are adjustable on wood ratchets, unless shown otherwise.
3. All shelves and cabinets have 1/4" plywood back, except in front of louvers, where back is omitted.
4. All shelves in front of the louvers have a 1x2 nailed to the top of the edge for full width of the shelf.
5. Install metal clips detail E4/16, at top of all shelves and cabinets at room wall above each end and division

ELEVATIONS OF SHELVING IN DRY STORAGE P.M. MU-G (17/EE)
Scale 1/4"=1'-0"

STORAGE CART IN STAFF DINING P.M. MU-H (17/CC)
Scale 1/4"=1'-0"

DETAILS (17/FF)
Scale 3"=1'-0"

SECTION (17/FF)
Scale 3/4"=1'-0"

POT SINK (17/GG) BINS (17/HH) COUNTER (17/JJ) COUNTER (17/KK) DISH PORT (17/LL) COUNTER (17/MM) COLD PAN (17/NN)

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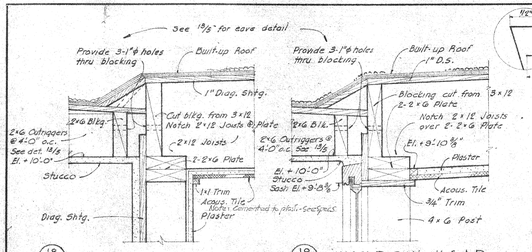
MULTI-USE UNIT
KITCHEN EQUIPMENT DETAILS

AMBROSE INTERMEDIATE SCHOOL

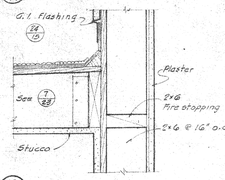
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X
DATE 6/23/53

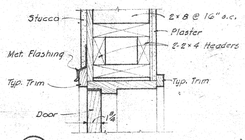
SHEET 25
17
OF 43 SHEETS



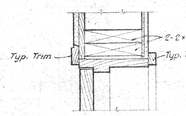
(18/A) EAVE



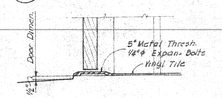
(18/B) CORRIDOR



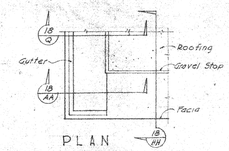
(18/C) HEAD



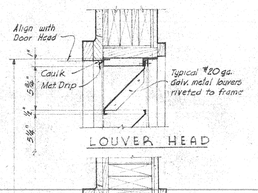
(18/D) JAMB



(18/E) SILL

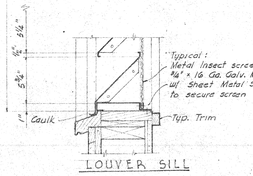


GUTTER & FASCIA CORNER DETAIL (18/H)



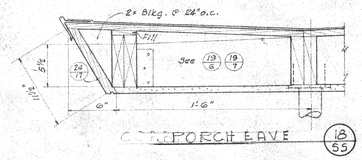
LOUVER HEAD

LOUVER JAMB



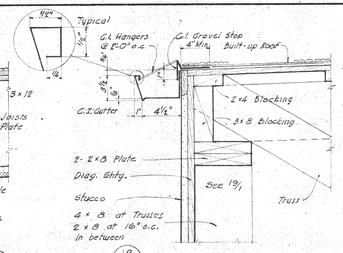
LOUVER SILL

LOUVER DETAIL (18/M)

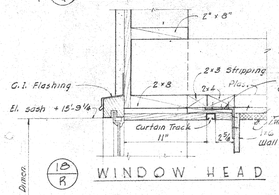


PORCH EAVE (18/SS)

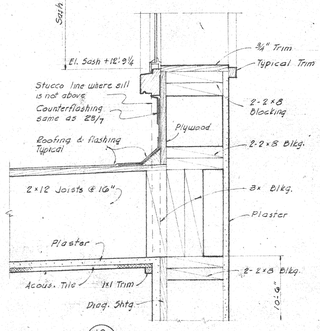
NOTE- ALL DETAILS ARE AT SCALE OF 1 1/2" = 1'-0" UNLESS SHOWN OTHERWISE.



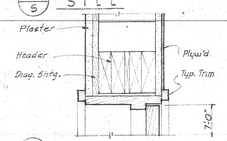
(18/Q) EAVE



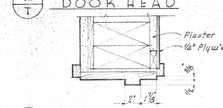
(18/R) WINDOW HEAD



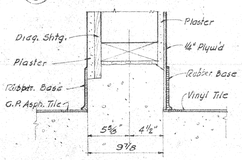
(18/S) SILL



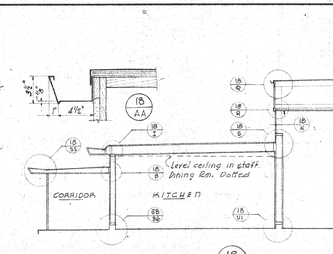
(18/T) DOOR HEAD



(18/U) DOOR JAMB

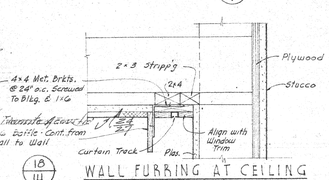


(18/UI) SILL

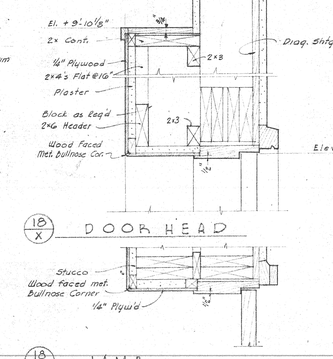


(18/V) CROSS SECTION

Scale: 1/8" = 1'-0"

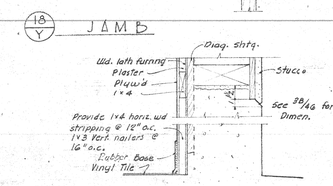


(18/W) WALL FURRING AT CEILING



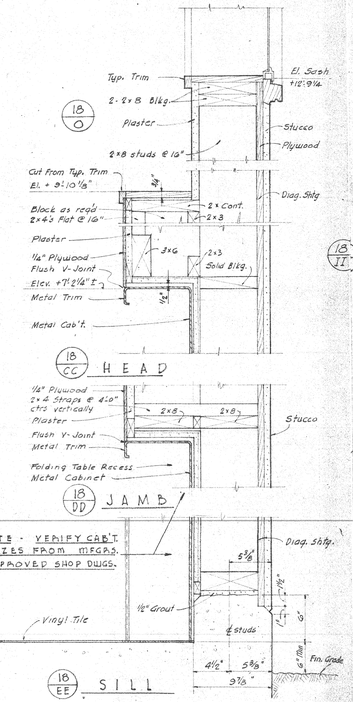
(18/X) DOOR HEAD

(18/Y) JAMB



(18/Z) CURB

NOTE
ALL ELEVATIONS ARE TO TOP OF FINISH FLOOR WHICH IS 1/8" ABOVE SLAB.

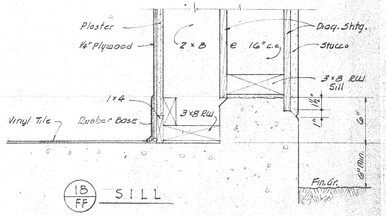


(18/CC) HEAD

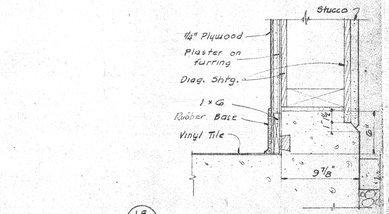
(18/DD) JAMB

(18/EE) SILL

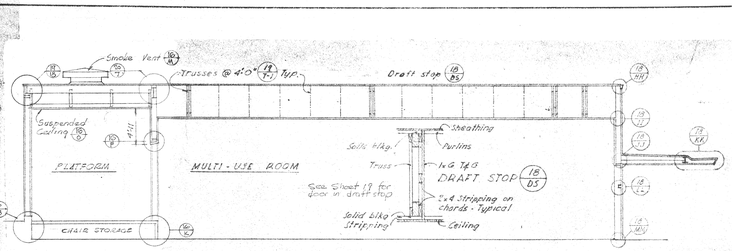
FOLDING TABLE POCKET DETAIL



(18/FF) SILL

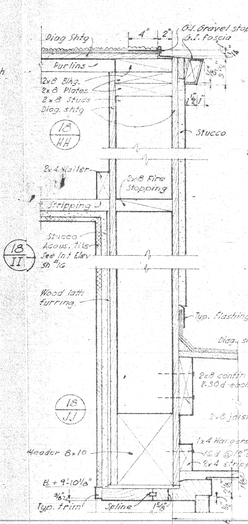


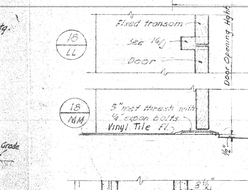
(18/UU) CURB



LONGITUDINAL SECTION (18/GG)

Scale = 1/8" = 1'-0"

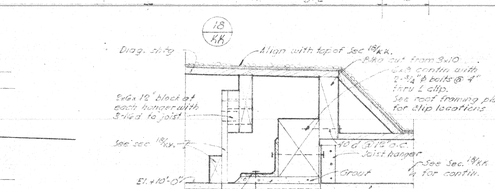




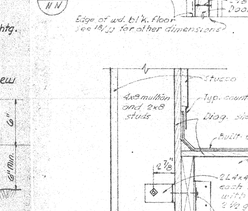
(18/LL)

(18/MM)

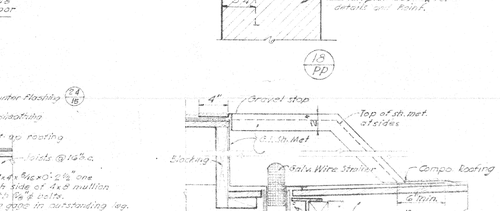
(18/NN)

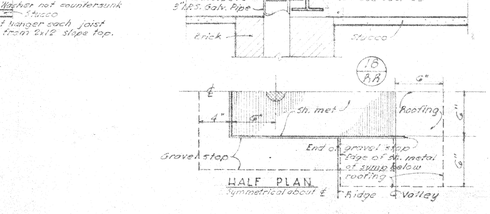


(18/KK)



SECTION (18/QQ)





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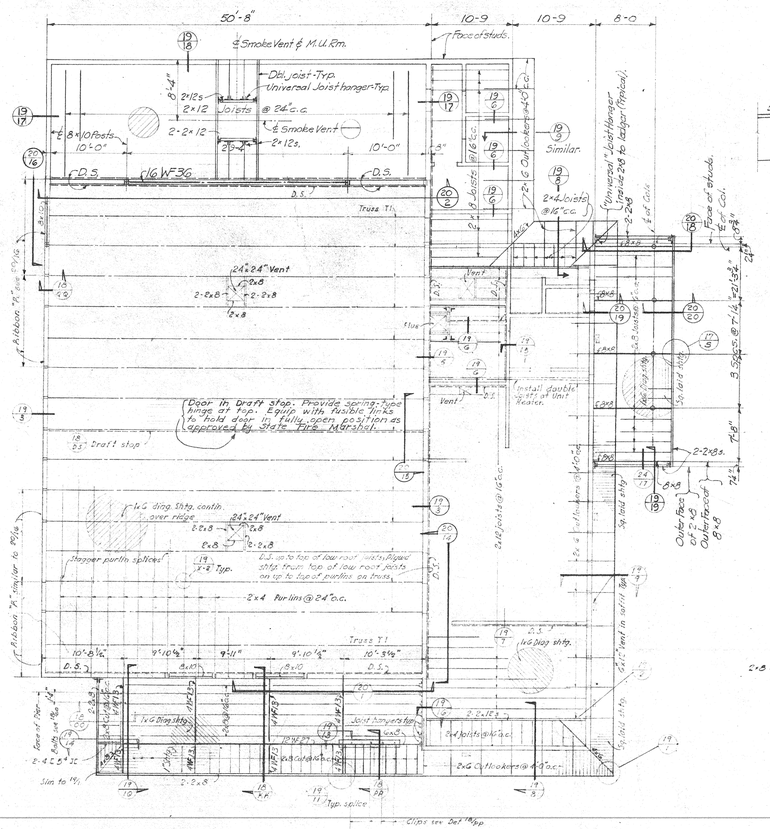
BOARD OF TRUSTEES
SUPERINTENDENT OF SCHOOLS

FILE 52-10-X
DATE 6/23/53

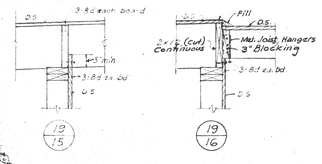
SHEET 18
OF 43 SHEETS



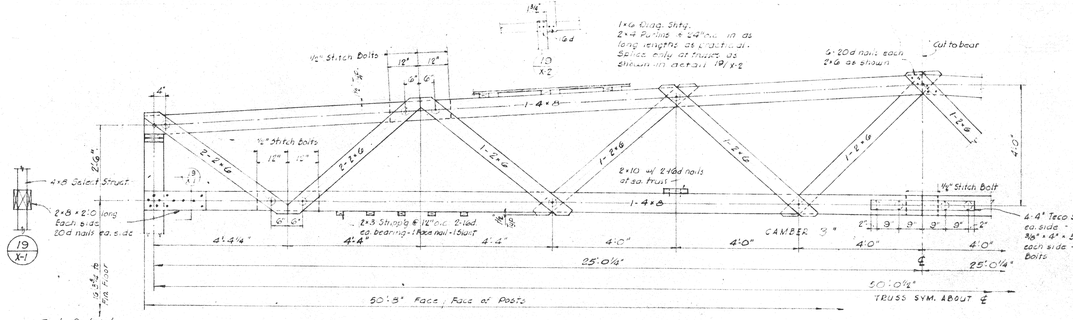
ROOF FRAMING PLAN

Scale ⅛"=1'-0"

1. See General Notes on sheets 21 & 22.
2. All exterior walls diagonally sheathed unless noted otherwise.
3. Interior walls requiring diagonal sheathing are shown hereon and are marked D.S.
4. All diag. shtg. shall be 1x6



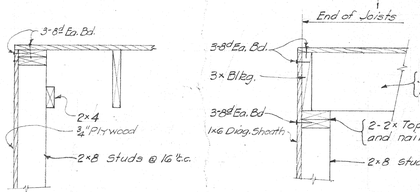
19/15 — 19/16



19/X-1

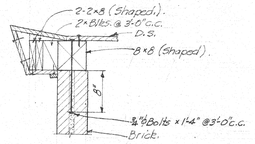
TRUSS T1 — ½"=1'-0"

1. All truss members shall be Select Structural Grade.
2. 4" - 4" Teco Split Ring unless otherwise noted. Use ¾ϕ bolts & standard malleable iron washers thruout unless otherwise noted.

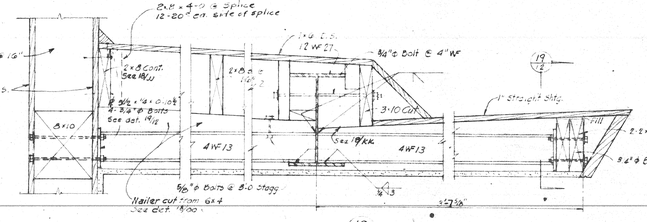


19/17

19/18



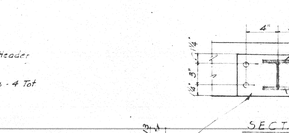
19/19



19/12

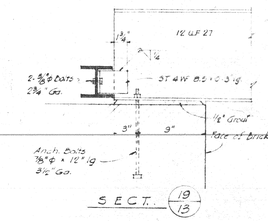
SECT. 19/10 — 1½"=1'-0"

See 19/KK for nailing

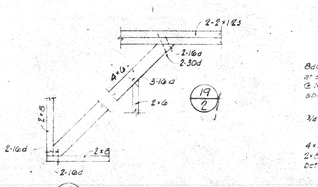


SECT. 19/12

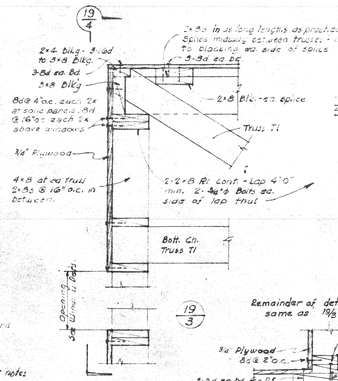
TYPICAL HEADER SPLICE 19/11 — ¾"=1'-0"



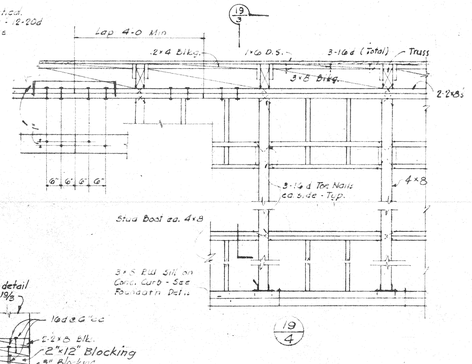
SECT. 19/13



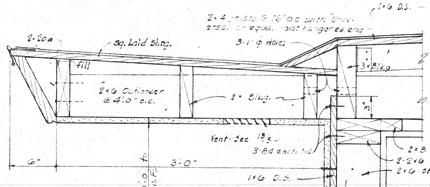
19/1



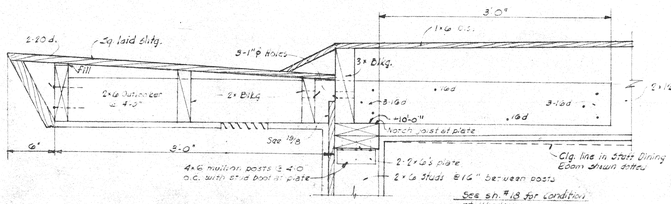
19/3



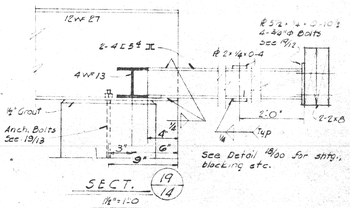
19/4



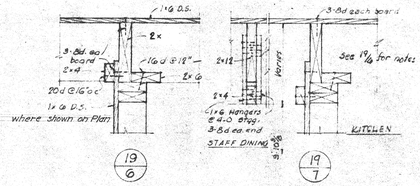
SECT. 19/5 — 1½"=1'-0"



SECT. 19/9 — 1½"=1'-0"

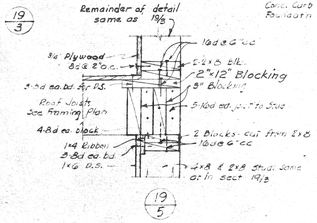


SECT. 19/14 — 1½"=1'-0"



19/6

19/7



19/5

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AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

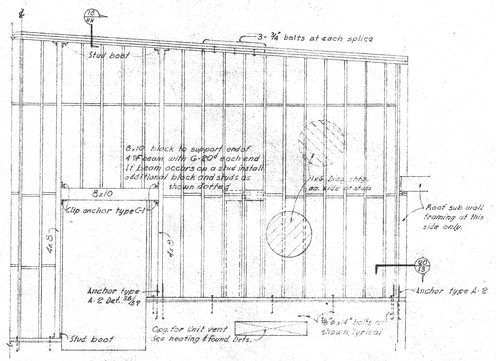
SHEET 27

19

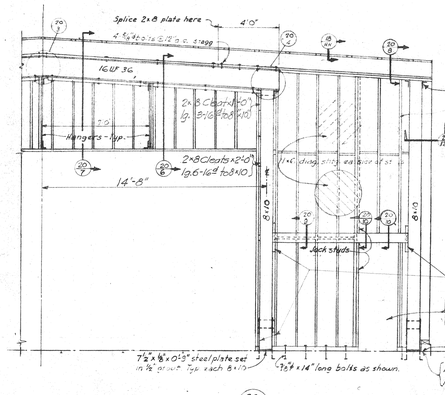
OF 31 SHEETS

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS



SECTION (20/16)
Scale ½"=1'-0"
Symetrical about ℄ Except as noted



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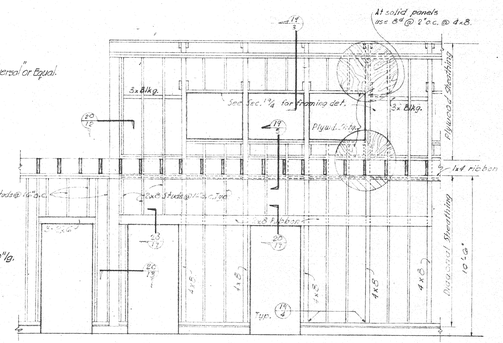

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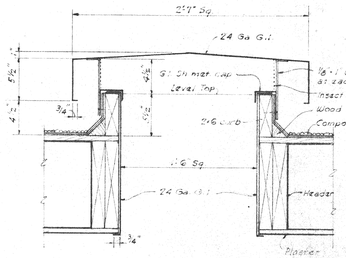
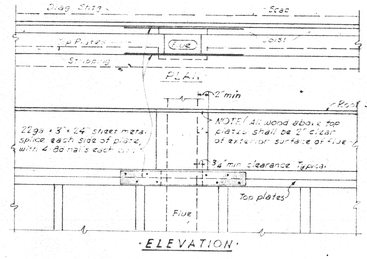
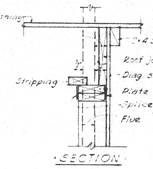


ROOF VENT (20/11)
Scale: 1½"=1'-0"



ELEVATION



SECTION

PLATE SPLICE FOR RANGE FLUE (20/21)
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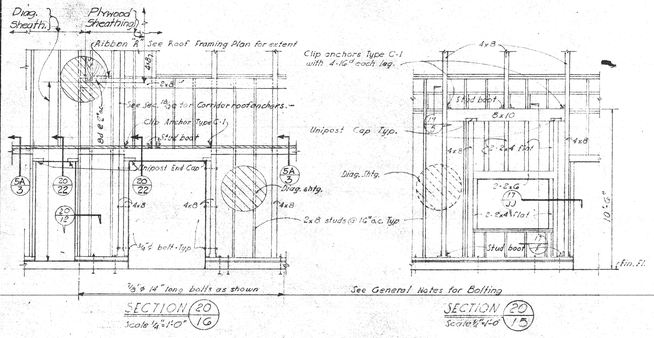
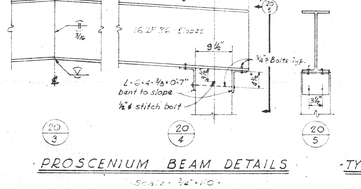


SECTION (20/16)
Scale ½"=1'-0"

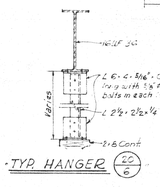
SECTION (20/15)
Scale ½"=1'-0"

CLIP ANCHOR TYPE C-1

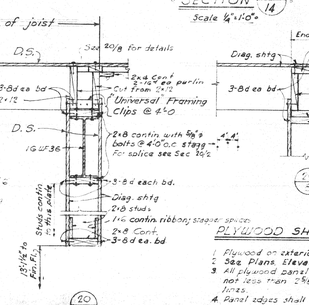


(20/3) (20/4) (20/5)

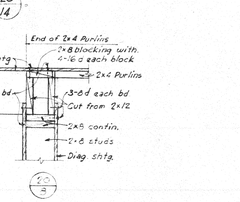
PROSCENIUM BEAM DETAILS
Scale ½"=1'-0"



TYP. HANGER (20/6)



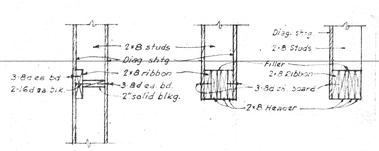
(20/7)



(20/9)

PLYWOOD SHEATHING (Unless otherwise noted)

1. Plywood on exterior walls shall be ⅜" thick Exterior Grade"
2. See Plans, Elevations and details for extent.
3. All plywood panel edges shall bear on framing members not less than 2"x6" thick, and butt joint along their center lines.
4. Panel edges shall be nailed with 8d com. @ 4"o.c. placed not less than ⅜" from panel edge.
5. Panels shall be nailed at all intermediate bearings (studs & blocking etc.) with 8d nails @ 12"o.c.



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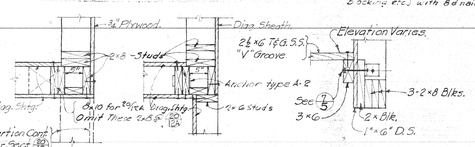
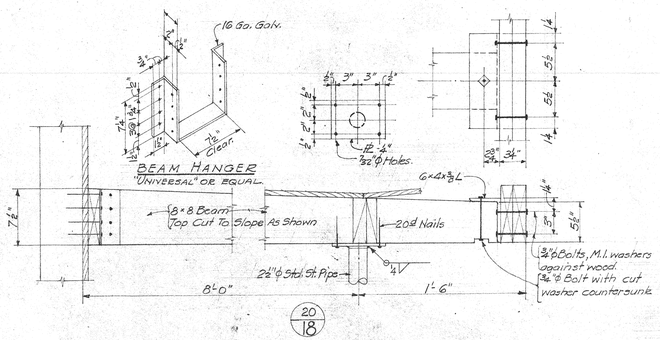
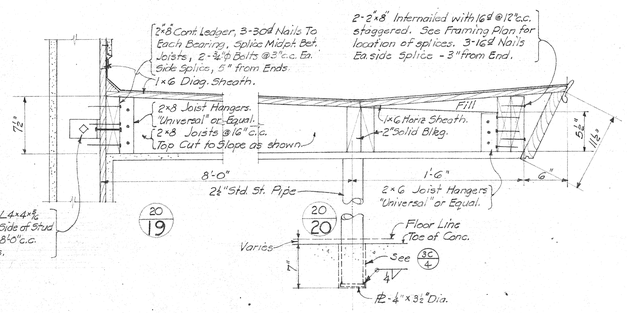


(20/12) (20/12A) (20/13) (20/22)



(20/18)



(20/19) (20/20)

BOARD OF TRUSTEES
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AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

SHEET 28
20
OF 48 SHEETS

GENERAL NOTES

Applying to all Structural Features unless greater requirements are shown or noted elsewhere.

1. REFERENCE TO OTHER DRAWINGS.
   (a) See Architectural Drawings for: Kinds of floor finish and their location; depressions in floor slabs; openings in walls and floors required by doors, windows, ducts, vents, plumbing, etc.; all types of flashing, inserts, anchorage, hangers, etc.; embedded in or attached to the concrete structure; roadway paving, walks, stairs, ramps, curb walls, terraces, etc.; exterior grades; elevations of sloping roof surfaces and location of drains, etc.

2. DIMENSIONS.
   (a) Dimensions unless otherwise noted are to rough concrete surfaces.

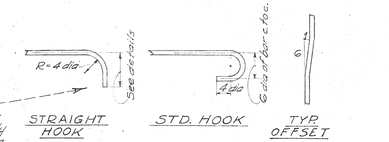
3. DISCREPANCIES.
   (a) The Contractor shall compare the Structural Drawings with the Architectural Drawings as to layout, dimensions and elevations. All discrepancies, if any, shall be reported to the Architect for proper adjustment before proceeding with the work.

4. SPECIFICATIONS.
   (a) The Specifications shall govern where information is not given in these General Notes or on the drawings.

5. OMISSIONS.
   (a) In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, then their construction shall be of the same character as for similar conditions that are shown or called for.

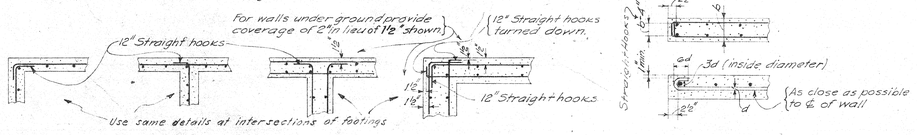
6. CONCRETE
   (a) Design working stresses for concrete are based on an assumed ultimate compressive strength of 2500 #/□" at the age of 28 days.
   (b) See Specifications for specific requirements as to Concrete.

7. STEEL REINFORCEMENT
   (a) Use Structural grade steel. Intermediate Grade Steel may be used if it complies with bend and elongation requirements for Structural Grade Steel.
   (b) All reinforcing bars to be deformed bars complying with A.S.T.M. spec. A-305-49. Bars ⅜" and smaller may be plain bars.
   (c) All reinforcement shall be continuous. Laps at splices shall be at least 48 bar diameters.
   (d) Standard hooks and offsets to be as shown here unless otherwise detailed on drawings.
   (e) Suitable devices of some standard manufacture shall be used to hold reinforcement in its true, horizontal and vertical positions. These devices shall be of a CONTINUOUS Type sufficiently rigid and numerous to avoid displacement of the reinforcement during the placing of the concrete. All such devices shall be submitted to and receive the approval of the Architect before being used.



   (f) The Contractor shall submit to the Architect for approval complete bending and placing details of all reinforcement for this work. These details shall include the diagrammatic elevation of all walls to a scale sufficiently large to show clearly the position and erection marks of all marginal bars around openings, dowels, splices, etc. for these bars.

8. WALLS.
   (a) See Architectural Drawings for concrete walls not shown on Structural Drawings.
   (b) All walls shall have typical reinforcement even though no reinforcement is shown on the drawings unless specifically noted "Not Reinforced" Typical wall reinforcement shall be as follows:
   For 8" walls - ½"ϕ @ 16" ctrs. each way each face at 1½" clear from steel to face of wall.
   For 9" to 12" walls - ½"ϕ @ 12" ctrs. each way each face at 1½" clear from steel to face of wall.
   (c) Wall reinforcement to be securely wired together at all crossings.
   (d) At all corners, wall intersections and edges of openings use details shown below:

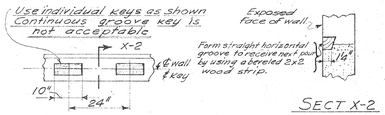


   (e) Around all edges of openings use following marginal bars:
   1-⅝ϕ for walls 8" thick and under.
   2-⅝ϕ for walls over 8" thick.
   Project these bars 2'-6" beyond all corners; use standard circular hook when projection of 2'-6" is impossible.

9. DOWELS.
   (a) At junctions of walls and footings with slabs resting on ground use ⅝ϕ dowels at 18" ctrs. projecting 2'-0" into slab from inside face of wall or footing. Project dowels to 2" from outer face of wall or footing and terminate in 12" straight hook.

10. SLABS ON GRADE
   (a) See Typical Details on next sheet for various slabs on ground. At wall and footing provide dowels as noted in Paragraph 9a.

11. CONSTRUCTION JOINTS
   (a) For construction joints in General see Specifications.
   (b) Use following procedure for construction joints:
   While the surface of concrete at construction joint is still soft provide keys at 24" ctrs. 1' deep x 9" long x 4" wide for 6" and 8" walls; 1' deep x 10" long x 6" wide for walls 10" thick and over. In addition the entire surfaces of construction joints shall be thoroughly roughened with suitable mechanical tool within 48 hours after pour. Just prior to depositing of new concrete, the surface of construction joint shall be thoroughly cleaned and wetted and a coat of 1:2 cement mortar shall be slushed on the surface.



SECT X-2.

12. FOUNDATIONS
   (a) Except where otherwise shown excavation shall be made as near as possible to the neat lines required by the size and shape of the structure. No unnecessary material is to be excavated. See Foundation Plan for additional Data.
   (b) Walls against which backfill is placed shall be adequately shored until construction bracing the walls has been erected and has attained its strength. Backfill shall be placed in layers not exceeding 6" in depth. Each layer shall be moistened as directed, and thoroughly compacted prior to placing the next layer. See Specifications.

13. STRUCTURAL STEEL
   (a) All struct. steel shall conform to the AISC Spec for Design, Fabricat. & Erection of Struct. Steel for Bldgs, 5th edition 1946 and Title 21 (formerly Appendix A) of dept of Public Works, State of Calif. The Struct. Steel shall conform to the Spec of the A.S.T.M. for Steel for Bridges & Bldg. Ser. Desig. A7-46 as amended to date. For Pipe Columns, see Specifications (Grade B) The Contractor shall submit for approval to the Architect a complete set of shop drawings.
   (b) Paint. See Specifications.

14. EXISTING CONSTRUCTION.
   (a) Existing construction shown on the drawings was obtained from existing drawings. The Contractor shall verify all existing conditions, and shall notify the Architect of all exceptions before proceeding with the work.
   (b) The removal, cutting, drilling, etc. of existing work shall be performed with greath care and small tools, in order not to jeopardise the structural integrity of the Building. If structural members not indicated for removal interfere with the new work, the Architect shall be immediately notified and prior approval obtained before removal of members.
   (c) The Contractor shall safely shore existing construction wherever existing supports are removed to allow the installation of the new work. The existing construction shall be connected and/or embedded into the new construction as shown or specified.

15. CARPENTRY
   (a) Joists. Provide: Full bearing at all supports. Lap joists 9" min over supports wherever possible. 2" Solid Blocking at supports and under partitions at right angles to joists. 2x3 Crossbridging at midspan for spans 8 ft. to 16 ft., for greater spans Spacing of bridging shall not exceed 8'-0". Omit crossbridging for roof and ceiling joists 8 inches and under in depth. Double Joists under all partitions parallel to joists.
   (b) Partitions: 2 — 3" Redwood
   Use single bottom plate and double top plate; stagger joints in upper and lower members of top plate not less than four feet. Provide one row of solid herringbone bridging at mid-height except that at gable ends and partitions higher than 13 ft. provide two rows. Bolt plates to concrete with ⅝" bolts spaced @ 4'-0" cc. See "Typical Detail of Bolting wood plate to concrete," Sheet 22
   (c) Sheathing.
   Diagonal Sheathing and subfloor shall be laid diagonally at an angle of 45° to joist or studs. Boards shall be accurately cut to center of bearings. For Typical Splicing of diagonal sheathing in roofs and walls, see details on sheet 22.
   (d) Bolts.
   Bolt holes in wood shall be drilled net size of bolt. Bolt threads shall not bear on wood or steel. Use Standard Malleable Iron Washers against wood: 3"□ dia x 5/16" thick for ⅝" bolts, 3" dia x 5/16" thick for ¾" bolts, 2¾" dia x 5/16" thick for ⅞" bolts, 2½" dia x ¼" thick for 1" bolts.
   (e) Nailing Schedule.
   All wood members thruout shall be connected together with nailing listed in this shedule unless a greater number of nails is shown or called for elsewhere on drawings. All nails shall be common wire nails. Wherever the nailing specified tends to split the wood, holes for nails shall be sub-bored. Split members shall be taken out and replaced.

Lapped Joists	4-16d Nails
Joists, Rafters or Trusses at all Bearings	2-16d toe nails each side
Studs to bearings	2-10d " " " "
Blocking between joist, rafters or trusses. to joist, rafter, or truss	2-16d toe nails ea. side as end
to plate (on which joist rests)	2-16d " " ea. side
to wood girder (on which joist rests)	2-16d " " " "
Blocking to blocking	3-16d ea. block
Continuous Headers to joists (2x6 & smaller)	2-20d
" " " " (2x8 & larger)	3-20d
Square laid Sheathing 1x6	2-8d at all bearings
Square laid Sheathing 1x8	3-8d " " "
Diagonal Sheathing: 1x6	3-8d at ends of all boards
	2-8d at intermediate bearings
Diagonal Sheathing: 1x8	4-8d at ends of all boards
	3-8d at intermediate bearings
2" Sheathing 2" nom.	3-16d at all bearings.
Furring Strips	2-16d Nails at ea. bearing 1 face nailed. 3" apart 1 Staot nailed
Miscellaneous:	All 2" material shall be nailed with 2-16d and 1" material with 3-8d at each bearing. 2" material laid over sheathing shall be nailed with 30d nails.

Crossbridging between joists	2-8d toe nails ea. end
Herringbone Blocking	2-10d ea. end
Double Top Plates	
Lower plate to top of stud	2-20d nails
Upper to lower plate	16d @ 16" cc.
Bottom Plate To joists and blocking supporting partition	20d @ 16 cc.
Multiple Studs: Inter nail with 16d @ 12 cc. (See details for stud arrangement on next sheet)	
Laminated Joists Inter nail with 16d @ 12 cc.	
Double Joists under Partitions where not blocked apart	16d @ 12" cc.
where blocked apart (for piping)	2-20d at ea. block ea. joist
Ribbons: 2" nominal	2-16d ea. stud
1" nominal	2-8d ea. stud
Joists or Rafters to side of studs: For 8" joists or less	3-16d.
For each additional 4" in depth of joist	1-16d.

2 ⅛ x 6 — — — 2-20d at all bearings.
16 ga. Plus wire ties @ 4'-0" cc. at plaster ceilings.

   (f) Wood Preservative.
   For preservative treatment of wood in contact with concrete and/or masonry or for wood within 2 feet of ground surface see specifications.
   (g) Log Screws.
   Screws shall be screwed and not driven into place. In placing lag screws in wood, the holes shall first be bored to the same diameter and depth as the shank. Holes for the threaded portion of the screws shall be bored with a bit not larger than the base of the thread.

16. JOIST HANGERS, UNIPOST CAPS, FRAMING CLIPS, & STUD BOOTS
   shall be as manufactured by The Universal Anchor Co. of San Francisco or approved equal.
   For Unipost Caps use 20d nails. For Framing Clips use 8d nails. For stud boots use 16d nails.

Nailing For Joist Hangers:

Joist Size	2x6	2x8	2x12	4x6 (4x6 ✱)	8x8		
To Support	3-8d	5-16d	5-16d	5-16d	5-16d	6-16d	Ea. Side.
To Joist	2-8d @ 3-8d		3-8d @ 4-8d	2-8d @ 2-8d	2-8d @ 4-16d		
Remarks	✱ Cut length to 12" ✱✱ Make same as 4x6 Except 2" wider.						

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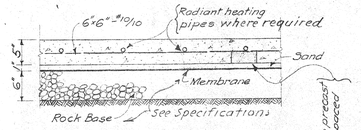
ARCHITECT
ENGINEER

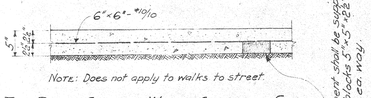
GENERAL NOTES.
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X
DATE 6/23/53

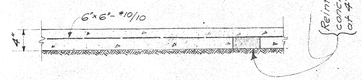
SHEET 29
21
OF 43 SHEETS



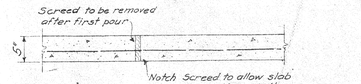
TYPICAL INTERIOR SLAB



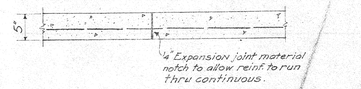
TYP. PORCH, COVERED WALK, CORRIDOR SLAB



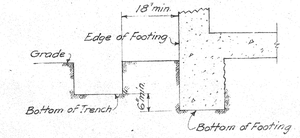
TYPICAL YARDS SLAB



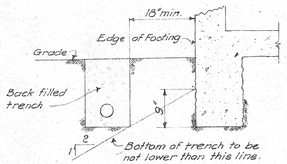
COLD JOINT DETAIL



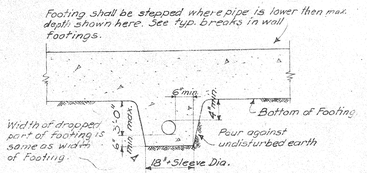
EXPANSION JOINT DETAIL



OPEN TRENCH

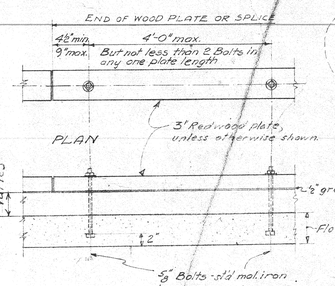


PIPE IN BACK FILLED TRENCH

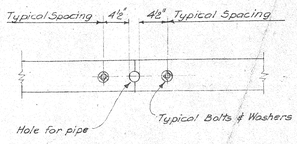


PIPE UNDER FOOTING

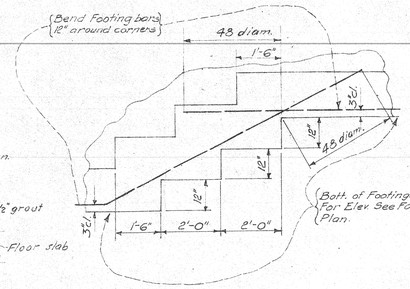
TYPICAL DETAILS OF PIPES AND TRENCHES NEAR FOOTINGS.



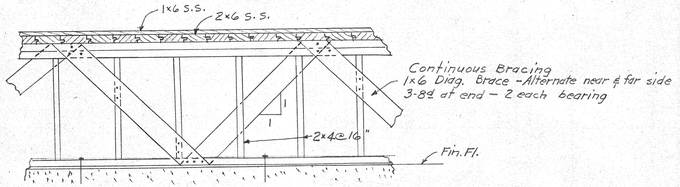
TYPICAL DETAIL OF BOLTING WOOD PLATE TO CONCRETE



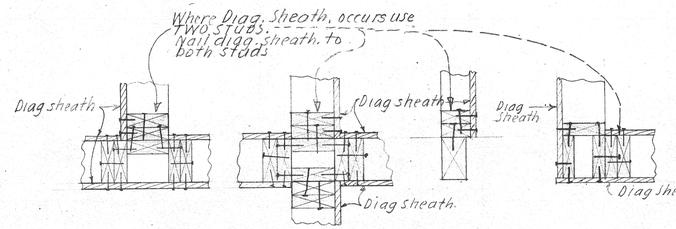
DETAIL OF SILL PLATE BOLTING FOR ALL WALLS WHERE O.D. OF PIPE EXCEEDS ⅓ OF NET STUD DIMENSION



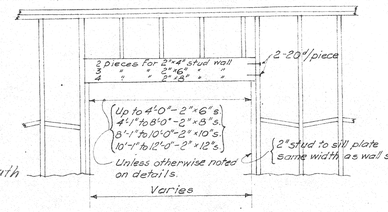
TYP. BREAKS IN WALL FTGS



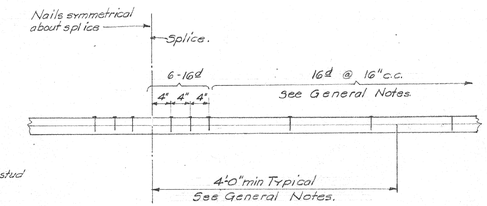
PART ELEVATION BRACE V-3 AT PLATFORM FRAMING
See Framing Plan for locations



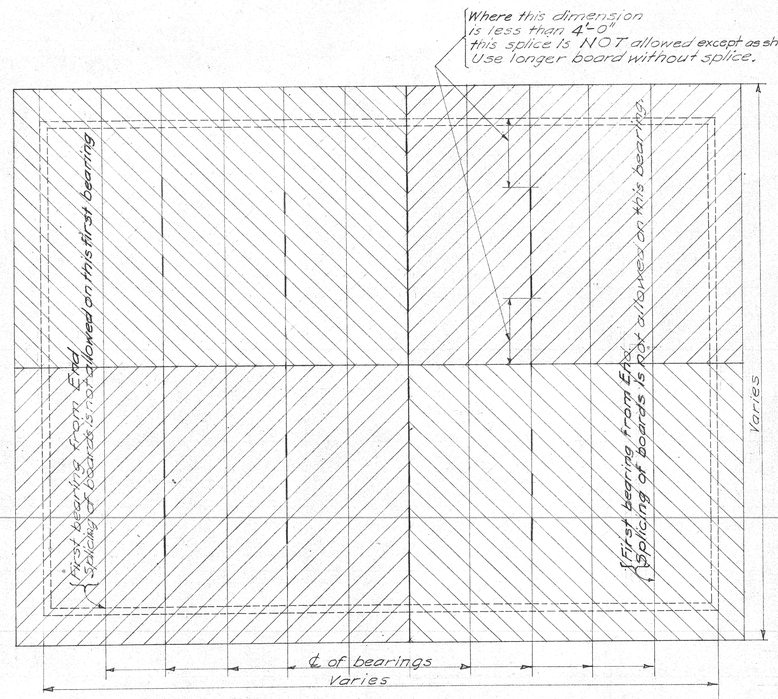
TYPICAL ARRANGEMENT OF STUDS
For Nailing see General Note 15(e) on sheet 21



TYPICAL FRAMING AT OPENINGS

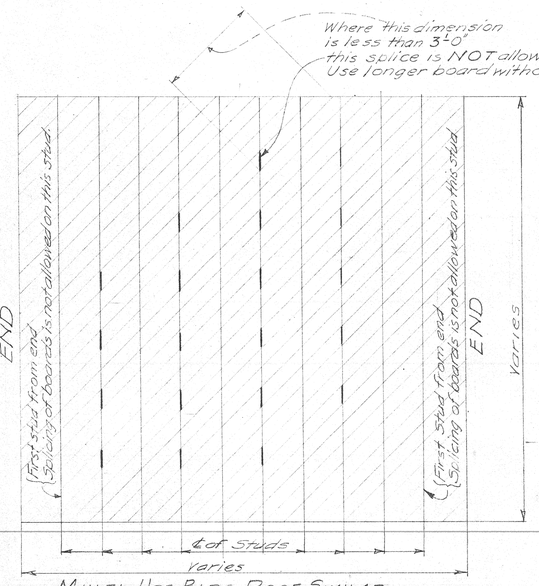


TYPICAL SPLICE - UPPER PLATE.



TYPICAL SPLICING FOR ROOF DIAGONAL SHEATHING (2")

Boards shall preferably be in single lengths. Where boards are not in single lengths there shall be at least one bearing between splices in adjoining boards. For splices on the same bearing there shall be at least one uncut board between splices.



MULTI-USE BLDG. ROOF SIMILAR
TYPICAL SPLICING FOR WALL DIAGONAL SHEATHING

Boards shall preferably be in single lengths. Where boards are not in single lengths; there shall be at least one bearing between splices in adjoining boards. For splices on the same stud there shall be at least two uncut boards between splices.

BOARD OF TRUSTEES

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STATE OF CALIFORNIA — DEPARTMENT OF EDUCATION
DIVISION OF ARCHITECTURE
APPROVED AUG 14 1953
APPROVED _____ By _____

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
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REYNOLDS & CHAMBERLAIN
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2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

TYPICAL STRUCTURAL DETAILS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

SHEET 30
22
OF 43 SHEETS

DOOR SILL (23/3)

DOOR SILL AT TILE FLOORS (23/3A)

DOOR HEAD (23/2)

HEAD (23/5)

HEAD (23/4)

DOOR JAMB (HEAD SIMILAR) (23/8)

JAMBS AT PARTITION METAL COVERED (23/11A)

DOOR JAMB (23/17)

JAMB ABOVE TRANSOM

TYP. MULLION, SEE (23/12)

MULLION METAL COVERED (23/12A)

DOOR-W. WITH OPT. MET. FR. (23/14A)

TYPICAL JAMB (23/10)
JAMB AT PARTN. SIMILAR EXCEPT WALL OUTLINE AS INDICATED

JAMBS AT PARTITION (23/11)
NOTE: OPTIONAL METAL COVER FR SHOWN ABOVE (23/11A)

MULLION (23/12)
NOTE: OPTIONAL METAL COVER FR SHOWN ABOVE (23/12A)

DOOR JAMB (23/15)

DOOR-WINDOW (23/14)
OPTIONAL COVER FR SEE (23/14A)

DOOR-WINDOW (23/15)
OPTIONAL COVER FR SEE (23/15A)

MULLION AT PARTITION METAL COVER AS SHOWN (23/16A) OPTIONAL

WINDOW JAMB (23/18)
CLERESTORY WINDOW

WINDOW MULLION (23/19)
CLERESTORY WINDOW
MET. COV. FR (23/12A) OPTIONAL

JAMB AT PARTITION (23/20)
CLERESTORY WINDOW
JAMBS AT PARTITION (23/20A)

NOTE: DETAIL (23/20B) SHOWS TYPICAL ALUMINUM SASH. ALL OTHER WINDOW DETAILS INDICATE ALTERNATE STEEL SASH. NOTE THAT ALL WOOD JAMB, MULLION, HEAD AND SILL DETAILS SHOWN ARE IDENTICAL FOR STEEL OR ALUMINUM SASH.

JAMB (23/20B) ALUMINUM SASH

MULLIONS AT PARTITIONS (23/22A) (23/22B) (23/22C)
METAL COVER FR OPTIONAL SEE (23/12A)

WINDOW SILL (23/6)

CLERESTORY SILL (23/7)

WINDOW SILL (23/9)

HEAD (23/39)

DOOR HEAD (23/40)

WINDOW SILL (23/33)

DOOR JAMB-HEAD SIMILAR
Scale 3" = 1'-0"

TYPICAL WINDOW HEAD FULL SIZE

TYPICAL WINDOW SILL FULL SIZE

TYPICAL EXTERIOR JAMB TRIM FULL SIZE

TYPICAL EXT JAMB COVER FULL SIZE

TYPICAL DOOR STOP FULL SIZE

TYPICAL COVER TRIM FULL SIZE
METAL COVER FR OPTIONAL, SEE NOTE RIGHT HAND CORNER

ISOMETRIC SHOWING RETURN OF HEAD FLASHING AT ENDS OF WINDOWS AND DOORS
NO SCALE (23/24)

HEAD (23/34)

JAMB ABOVE TILE WALL (23/35)

SILL AT TILE WALL (23/36)

TYPICAL DOOR JAMB (23/27)

DOOR JAMB AT TILE WALL (23/31)

DOOR JAMB ABOVE TILE SIM.

DOOR JAMB AT TILE WALL (23/32)

WINDOW MULLION (23/28)

MULLIONS AT PARTITIONS (23/33A) (23/33B) (23/33C)
METAL COVER FR OPTIONAL
SEE FLOOR PLANS FOR RELATION OF MULLIONS TO STUDS.

DOOR JAMB (23/37)
(EXTERIOR IN-SWINGING DR)

DOOR SILL (23/38)
(EXT. IN-SWINGING DOORS)

WINDOW & DOOR DETAILS

SCALE: 3" = 1'-0", EXCEPT OTHERWISE NOTED

ATTACHMENT OF FRAMES AND WINDOWS

DOOR FRAMES
3-10d COM. AT EACH BEARING WHEN COVERED BY TRIM - 24" OC MAX.
3-10d CASING AT EACH BEARING WHEN NOT COVERED - 24" OC MAX.

WINDOW FRAMES
8d COM. GALV. @ 12" O.C. MAX IN REDWOOD
10d CASING @ 12" O.C. MAX IN FIR

WINDOWS
1½" x 12 GA. SCREWS 1'-6" O. C. MAX.

NOTE
METAL COVER PLATES ON MULLIONS OPTIONAL TO CONTRACTOR. IF METAL COVER PLATES ARE USED, THEY SHALL BE USED THROUT THE ENTIRE JOB FOR ALL SIMILAR MULLION DETAILS.

ASSOCIATED ARCHITECTS
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REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2200 PARK BLVD., OAKLAND 10, CALIF.
ARCHITECT ENGINEER

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AUG 21 1953
[illegible]

WINDOW & DOOR DETAILS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X
DATE 6/23/53
REVISED MARCH 21
REVISED SEPT 2, 19[illegible]

SHEET 24
23
OF 43 SHEETS

CHALKBOARD AND TACKBOARD DETAILS
SCALE: 3" = 1'-0"

CHALK TRAY
FULL SIZE

TYPICAL TRIM
INTERIOR
FULL SIZE

WAINSCOT CAP
3" = 1'-0"

TYPICAL BASE
3" = 1'-0"

HEATING MANIFOLD ACCESS PANEL
SCALE 3" = 1'-0"

LOUVER & FIRE SHUTTER
SCALE 3" = 1'-0"
DOOR, 16 & 10-4 IN DOOR SCHEDULE)

REAR ELEV. OF DOOR

TYPICAL COUNTERFLASHING
SCALE 3" = 1'-0"

TYPICAL FASCIA BOARD
SCALE: HALF SIZE

BUILDING NO. 1
SUMP DETAILS
SCALE: HALF SIZE

TYPICAL SUMP DETAIL
SCALE: 1½" = 1'-0"
NOTE: DETAIL AS SHOWN IS FOR NORTH WALLS OF BLDGS. DETAIL FOR SOUTH WALLS SIMILAR, EXCEPT SHEET METAL INSTEAD OF PIPE LEADER.

LEADER STRAP
HALF SIZE

NOTE:
INSTALL SUMP AT TOP OF EACH LEADER EXCEPT AT METAL GUTTERS. SEE ROOF PLAN FOR LOCATION OF LEADERS.

SUMP @ COLUMNS
SCALE: ⅜" = 1'-0"
USED AT SERVICE PORCH LDG.

SUMP & SHELTERED WALKWAYS
SCALE 1½" = 1'-0"

SUMP AT COLUMNS
SCALE 1-0"
USED AT SERVICE PORCH LDG.

LEADER @ PIPE COLUMN
HALF SIZE

TYPICAL TRANSITE ACOUSTIC PANELS
SCALE 1½" = 1'-0"

SKYLIGHT DETAILS
SCALE 1½" = 1'-0"

DETAIL OF HINGED TACKBOARD AND PROJECTION SCREEN
SCALE 3" = 1'-0"

ELEVATION
SCALE: ½" = 1'-0"

SECTION
SCALE: ½" = 1'-0"

PLAN AT GATE
SCALE 1¼" = 1'-0"

FENCE SECTION AT CONTINUOUS SLAB
SCALE: ¾" = 1'-0"

REDWOOD RUSTIC FENCE DETAILS

WOOD BASE

TILE BASE
SCALE: 3" = 1'-0"

CEMENT BASE

DETAIL OF METAL CLIPS FOR WALL CABINETS
SCALE: 3" = 1'-0"

SCREEN SECTIONS
SCALE 3" = 1'-0"
(SEE ROOM ELEVATION FOR LOCATION BEHIND HINGED TACKBOARD).

ISOMETRIC SKETCH SHOWING RETURN OF CORRIDOR EAVE FLASHING TO PLASTERED WALL — NO SCALE.

FENCE NOTES
6x6 FENCE POSTS SHALL BE FOUNDATION GRADE RWD. CREOSOTE POST ENDS 1" BELOW GRADE

SPLASH PAN SKETCH
NO SCALE
NOTE: PROVIDE SPLASH PAN FOR EACH LEADER SPILLING ON ROOF EMBED IN ASPHALT.

FLASHING DETAILS AT CHANGES IN ROOF LEVEL
SCALE: 1½" = 1'-0"

PANIC BOLT
KEEPER SCALE AS NOTED
(SEE HARDWARE SCHED. IN SPECS).

TYPICAL FASCIA BOARD
SCALE: HALF SIZE

SEE DETAILS ABOVE

SKYLIGHT DETAILS
SCALE 1½" = 1'-0"

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID.
2300 PARKER AVE., OAKLAND 10, CALIF.
ENGINEER
ARCHITECT

MISCELLANEOUS DETAILS

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-4

DATE 6/23/53

SHEET 52

24

OF 42 SHEETS

BOARD OF TRUSTEES

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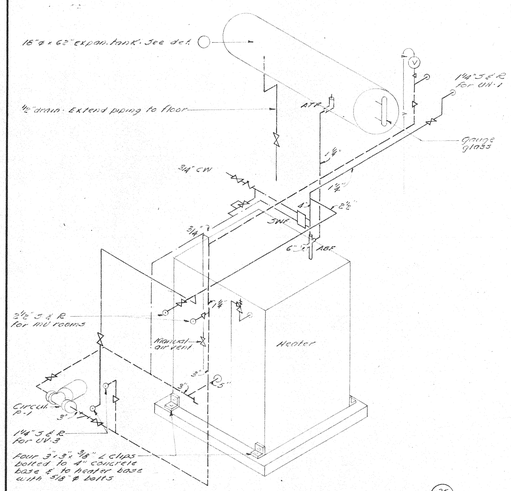
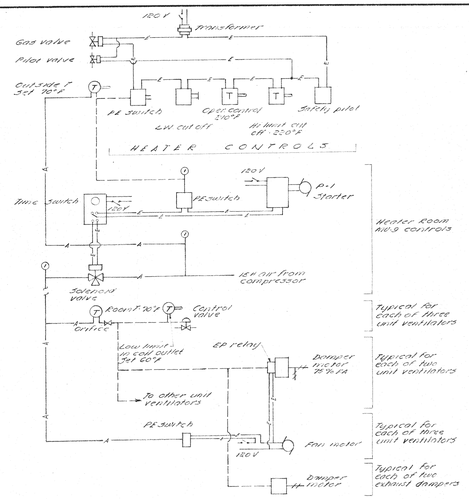
DATE RECEIVED AUG 14 1953
APPROVED
DIVISION OF SCHOOL BUILDING



SCHEMATIC PIPING DIAGRAM (24/1)

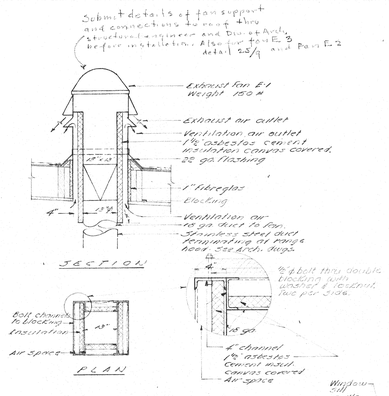
HEATER Rm. 1 BUILDING 1 No Scale



SCHEMATIC CONTROL DIAGRAM

DETAIL (24/2)

No Scale



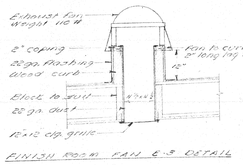
SECTION

PLAN

RANGE EXHAUST FAN E-1 DETAIL (24/3)

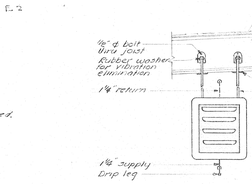
Scale ½" = 1'-0"

Dishwasher Exhaust Fan E-2 Similar except: 12"x12" grille of dia. H"x H" duct, 20 ga. duct, weight 10 #



FINISH ROOM FAN E-3 DETAIL (24/4)

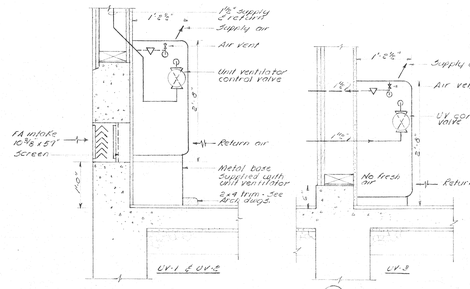
Scale ½" = 1'-0"



UNIT HEATER HANGING DETAIL (24/4)

Room No. 19

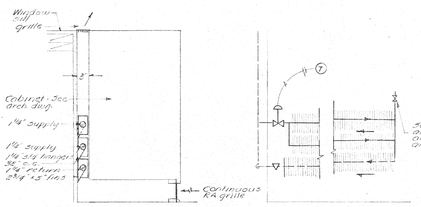
No Scale



UNIT VENTILATOR DETAIL (24/5)

Room No. 1

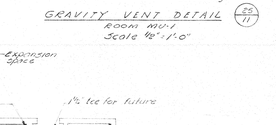
Scale ¾" = 1'-0"



BASEBOARD RADIATION DETAIL (24/10)

ROOM NO. 16

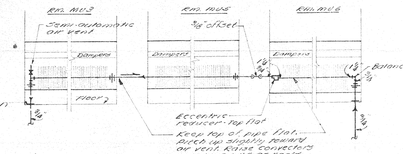
No Scale



GRAVITY VENT DETAIL (24/11)

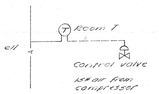
Room No. 1

Scale ¾" = 1'-0"



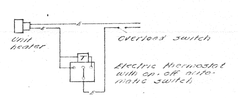
BASEBOARD RADIATION DETAIL (24/6)

Scale 1"=1'-0"



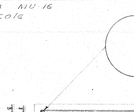
SCHEMATIC BASE-BOARD CONTROL S-TYP DETAIL (24/7)

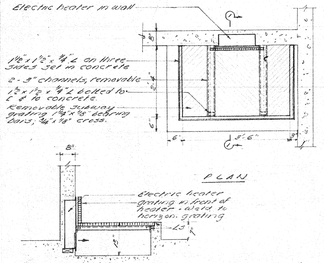
No Scale



SCHEMATIC UH-1 CONTROLS DETAIL (24/8)

No Scale





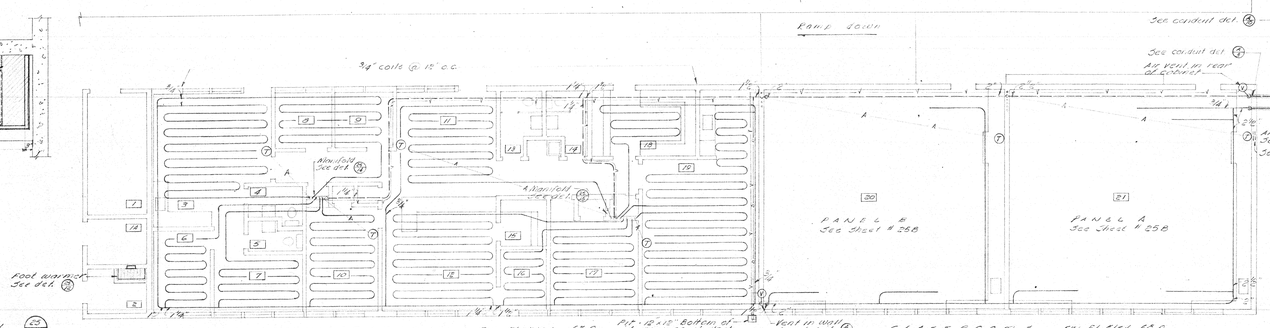
SECTION 1-1

PLAN

FOOT WARMER DETAIL (24/12)

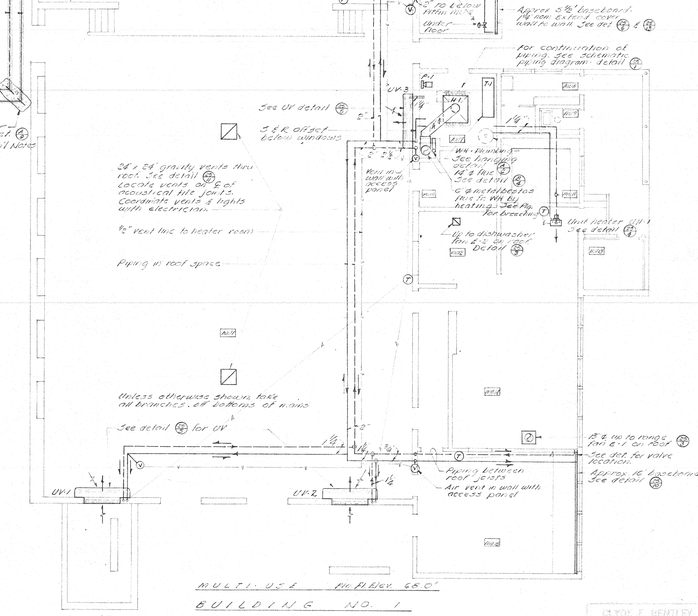
Building 5, Room 2

Scale ½" = 1'-0"



BUILDING NO. 5

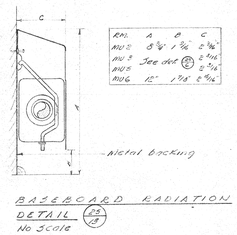
Scale ⅛" = 1'-0"



MULTI-USE PH. ELEV. 66.0'

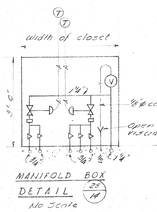
BUILDING NO. 1

Scale ⅛" = 1'-0"



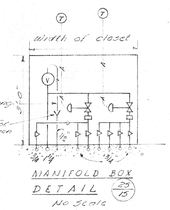
BASEBOARD RADIATION DETAIL (24/13)

No Scale



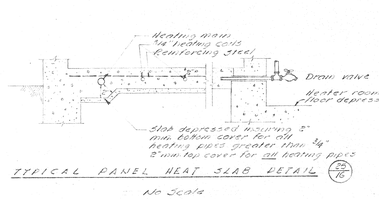
MANIFOLD BOX DETAIL (24/14)

No Scale



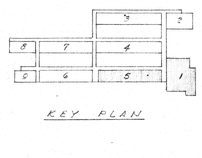
MANIFOLD BOX DETAIL (24/15)

No Scale



TYPICAL PANEL HEAT SLAB DETAIL (24/16)

No Scale



KEY PLAN

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AUG 14 1963

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF. ARCHITECT
ENGINEER

HEATING PLAN
PLDG. NO. 1-5

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

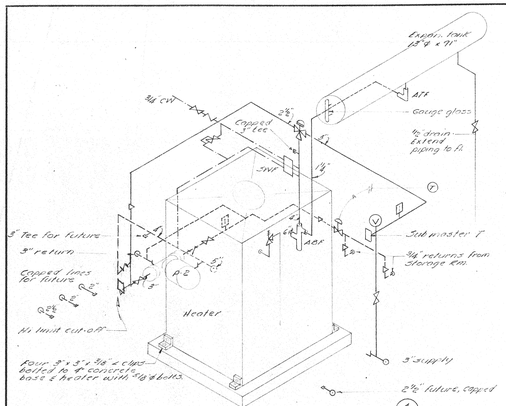
FILE 52-10-X

DATE 6/23/63

SHEET 33

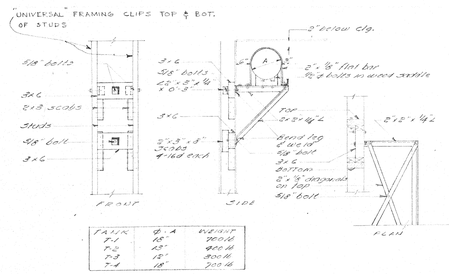
OF 43 SHEETS

CLYDE E. BENTLEY
Consulting Engineer
1695
6/13 and 18 CB



SCHEMATIC PIPING DIAGRAM (A/1)

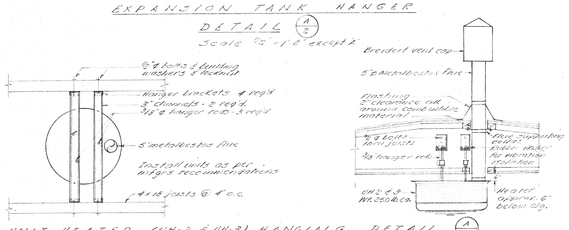
HEATER ROOM 3 · BUILDING No. 3 No Scale



TANK	D. & L	WEIGHT
T-1	15"	700 lb
T-2	12"	400 lb
T-3	12"	300 lb
T-4	18"	700 lb

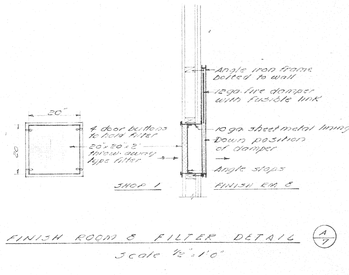
EXPANSION TANK HANGER DETAIL (A/2)

Scale ½" = 1'-0" except A



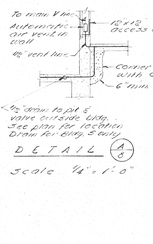
UNIT HEATER (UH-2 & UH-3) HANGING DETAIL (A/6)

Scale ½" = 1'-0"



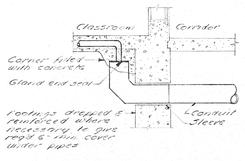
FINISH ROOM 8 FILTER DETAIL (A/9)

Scale ½" = 1'-0"



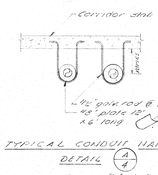
DETAIL (A/5)

Scale ½" = 1'-0"



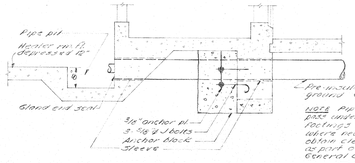
CONDUIT ENTERING CLASSROOM TYPICAL DETAIL (A/4)

Scale ½" = 1'-0"



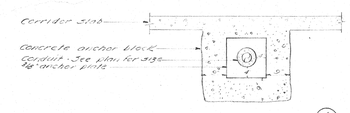
TYPICAL CONDUIT HANGING DETAIL (A/4)

Scale ½" = 1'-0"



CONDUIT ENTERING KITCHEN · ANCHOR · DETAIL (A/3)

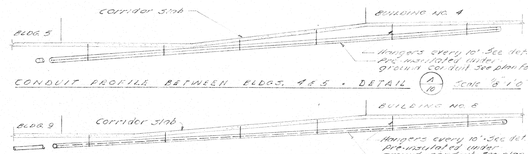
Scale ½" = 1'-0"



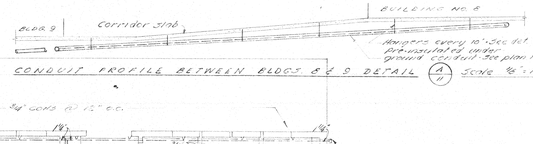
TYPICAL ANCHOR DETAIL (A/5)

Double anchor block junction

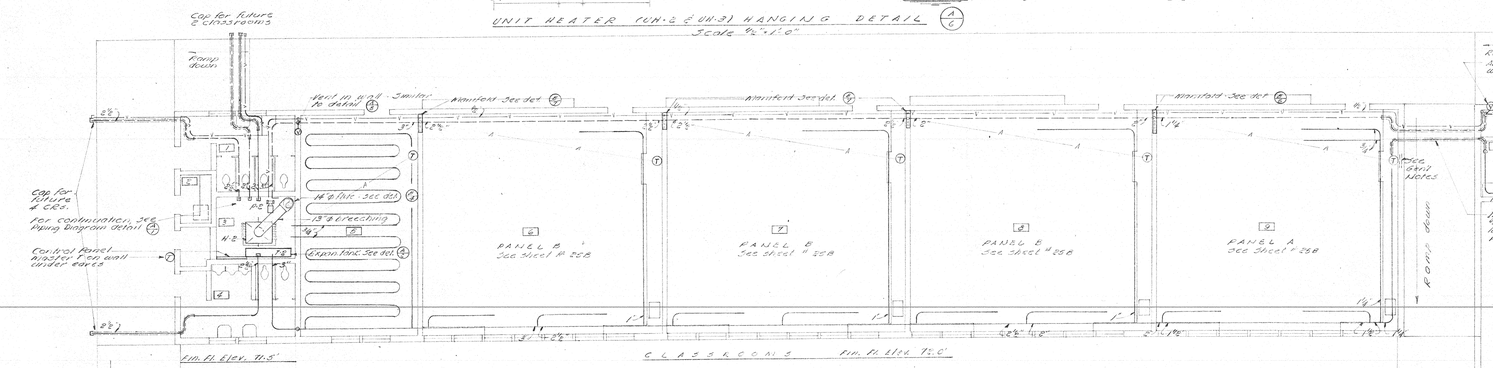
Scale ½" = 1'-0"

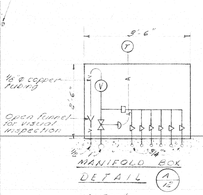


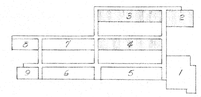
CONDUIT PROFILE BETWEEN BLDGS. 4 & 5 · DETAIL (A/10) Scale ½" = 1'-0"



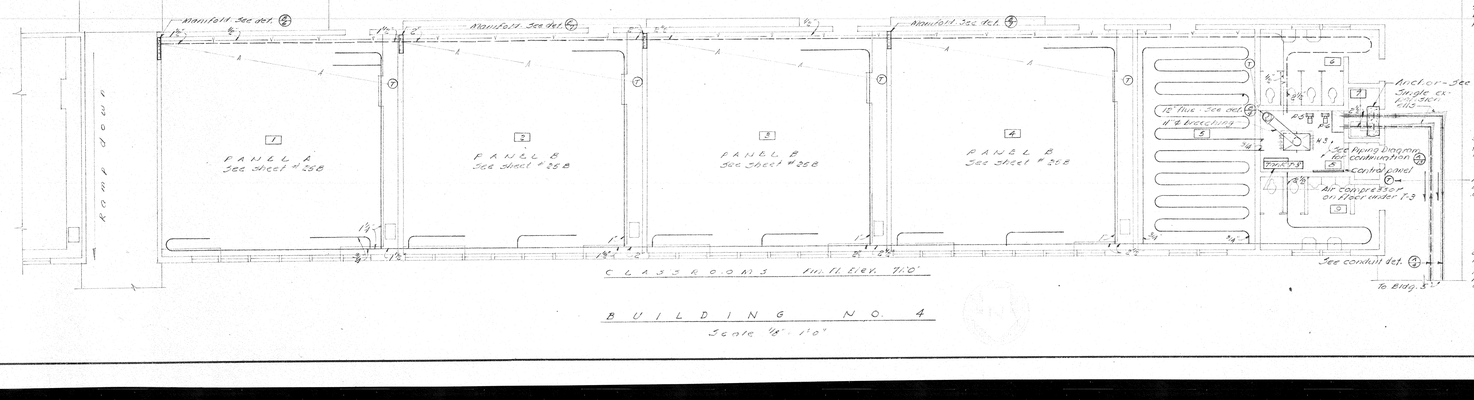
CONDUIT PROFILE BETWEEN BLDGS. 8 & 9 DETAIL (A/11) Scale ½" = 1'-0"



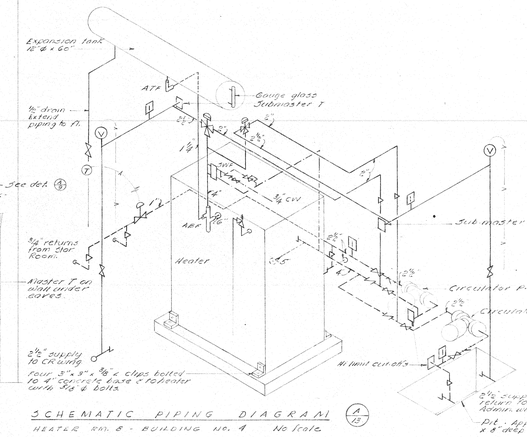




KEY PLAN



Scale ⅛" = 1'-0"



SCHEMATIC PIPING DIAGRAM (A/13)

HEATER RM. 8 · BUILDING No. 9 No Scale

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF. — ARCHITECT

ENGINEER

HEATING PLAN
BLDG. NOS. 2, 3, 4
AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

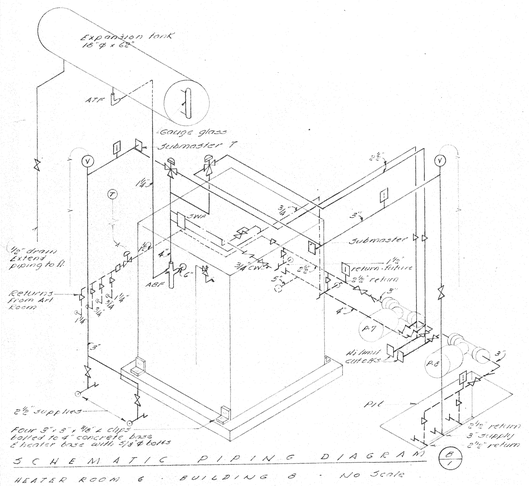
DATE 6/25/53

SHEET 24.

25A

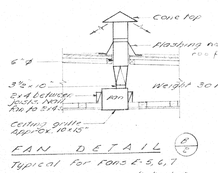
OF 43 SHEETS

CLYDE E. BENTLEY
CONSULTING ENGINEER
SAN FRANCISCO
1695
1700 and B C3



SCHEMATIC PIPING DIAGRAM

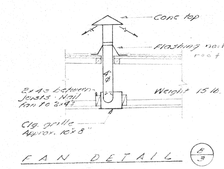
HEATER ROOM 6 · BUILDING 8 · No Scale



FAN DETAIL (A/9)

Typical for Fans E-5, 6, 7

Scale 1½"=1'-0"



FAN DETAIL (A/9)

Typical for Fan E-4

Scale 1½"=1'-0"

BASEBOARD RADIATION SCHEDULE

BLDG	ROOM	MARK	MODEL	TYPE	SIZE	PIPING	BTU/FT.	WATER T.	REMARKS
1	MAIN	Vulcan	K	1 high	¾" copp. 2"x 4¼"		650	200°F.	None
1	MAIN	Vulcan	K	1 hi	¾" copp. 2"x 4¼"		650	200°F	In cover
1	MAIN	Vulcan	K	1 hi	¾" copp. 2"x 4¼"		650	200°F	In cover
1	MAIN	Vulcan	K	1 hi	1¼" copp. 2¾"x 5"		950	200°F	In cover
1	MAIN	Vulcan	Element only	3 high, with fin	¾" copp. 2¾"x 8"		1215	200°F	None

EXHAUST FAN SCHEDULE

MARK	BLDG	ROOM	MAKE	MODEL	CFM	SP	RPM	HP	VOLTS	PHASE	CYCLES
E-1	1	MAIN	Davidson	16	1525	⅞"	1550	¾	120	1	60
E-2	1	MAIN	Davidson	13	610	⅝"	1140	¼	120	1	60
E-3	2	8	Davidson	13	610	⅝"	1140	¼	120	1	60
E-4	6	7	Trade wind Clipper 1201		120	——	——	Gravity			
E-5	5	4	Trade wind Clipper 2501		425	——	——	No wind	120	1	60
E-6	5	4	Trade wind Clipper 2501		425	——	——	.125 W	120	1	60
E-7	9	6	Trade wind Clipper 2501		425	——	——	.125 W	120	1	60

* E-3 to be explosion proof

GENERAL NOTES

(3/A) Top number indicates sheet number, lower number, detail number

(3/A)

Maintain clearance for plumbing pipes on heater room walls where toilet rooms are adjacent.

Insulate "insulated piping" with ½" fiberglas plus 2 layers 15# felt wrapped on.

All thermostats on outside walls to have at least 24"x24"x2" rigid insulation on wall behind thermostat.

All thermostats to be mounted 5' above floor

All heaters to have vertical draft diverters.

CIRCULATOR SCHEDULE

MARK	BLDG	SIZE	GPM	HEAD	MOTOR HP	VOLTS	PHASE	CYCLES	STARTER
P-1	1	LD-3 - 3"	52	12'	¼	120	1	60	Magnetic
P-2	2,3	HD-3 - 3"	60	16'	½	120	1	60	Magnetic
P-3		Future	To be located in Bldg. 3 Heater Room						
P-4		Future	To be located in Bldg. 3 Heater Room						
P-5	4	2¾"	45	12'	¼	120	1	60	Magnetic
P-6	5	2¾"	40	13'	¼	120	1	60	Magnetic
P-7	7,8	HD-96 - 3"	81	15'	½	120	1	60	Magnetic
P-8	6,9	HD-95 - 3"	81	15'	½	120	1	60	Magnetic

AIR COMPRESSOR SCHEDULE

BLDG	REF.	SIZE	DISPLACEMENT, WORKING PRESS.	MOTOR HP	VOLTS	PHASE	CYCLES	STARTER
4	8	30 gal.	6.8 cfm	50-60 psi	½	208	3	60	Magnetic

UNIT VENTILATOR SCHEDULE

MARK	BLDG	MAKE	MODEL	CONTROL & RATING	% FA	BTU/HR	CFM	MIN. TEMP.	ENTERING WATER	GPM	MOTOR WATTS
UV-1 & UV-2	1	Herman Nelson	56AHC	Cycle A 1250 cfm	15%	91,000	2500	55°F	200°F	8	157
UV-3	1	Herman Nelson	56AHC	NO FA 1250 cfm	0	72,500		70°F	200°F	8	157

UNIT HEATER SCHEDULE

MARK	BLDG	MAKE	MODEL	INLET AIR	ENT. WATER	GPM	BTU/HR	CFM	MOTOR HP	RPM	VOLTS	PHASE	CYCLES
UH-1	1	Trane	TD-H	60°F	200°F	6	126,000	5H	1/10	1500	120	1	60

UNIT HEATER SCHEDULE (Gas-fired)

MARK	BLDG	MAKE	MODEL	INPUT	OUTPUT	TEMP RISE	MOTOR	VOLTS	PHASE	CYCLES	VENT
UH-GAS	2	Norman	KHD-100A	100,000 BTU	80,000 BTU	105°F	1050	½	120	1	60	5"ø

SYMBOLS

- Three way valve
- Gate valve
- Manifold, control valve
- Check valve
- Strainer
- Pressure regulating valve
- Drain valve
- Balancing cock
- Relief valve
- Air vent
- Room thermostat
- Gauge
- Temperature control
- Thermometer
- SWH Safety water heater
- Thermometer test well
- AAV Air/vac boiler fitting
- ATT Air/vac tank fitting
- Manifold box
- T/R Temperature Range
- Hot water supply
- Hot water return
- Insulated line
- Underground conduit
- CW Cold water
- Vent line
- Compressed air line
- Electric line
- Pitch down
- Direction of flow

HEATER SCHEDULE

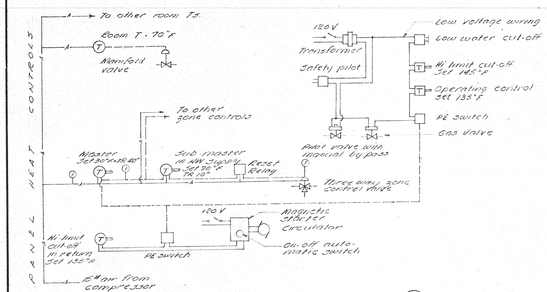
MARK	BLDG.	MAKE	MODEL	INPUT BTU/HR	OUTPUT BTU/HR	FLUE	GAS	WATER TEMP.
H-1	1	Amer. Std.	48W3	960,000	768,000	14"ø	2"	210°F
H-2	3	Amer. Std.	48W3	840,000	672,000	14"ø	2"	175°F
H-3	4	Amer. Std.	40W6	600,000	480,000	12"ø	2"	185°F
H-4	8	Amer. Std.	40W10	1,000,000	800,000	16"ø	2"	185°F

EXPANSION TANK SCHEDULE

MARK	BUILDING	SIZE	CAPACITY	WORKING PRESS.	WEIGHT
T-1	1	18"ø x 62"	60 gal.	100 psi	706 lb.
T-2	3	13"ø x 11"	40	100	400
T-3	4	15"ø x 66"	90	100	300
T-4	8	15"ø x 62"	60	100	700

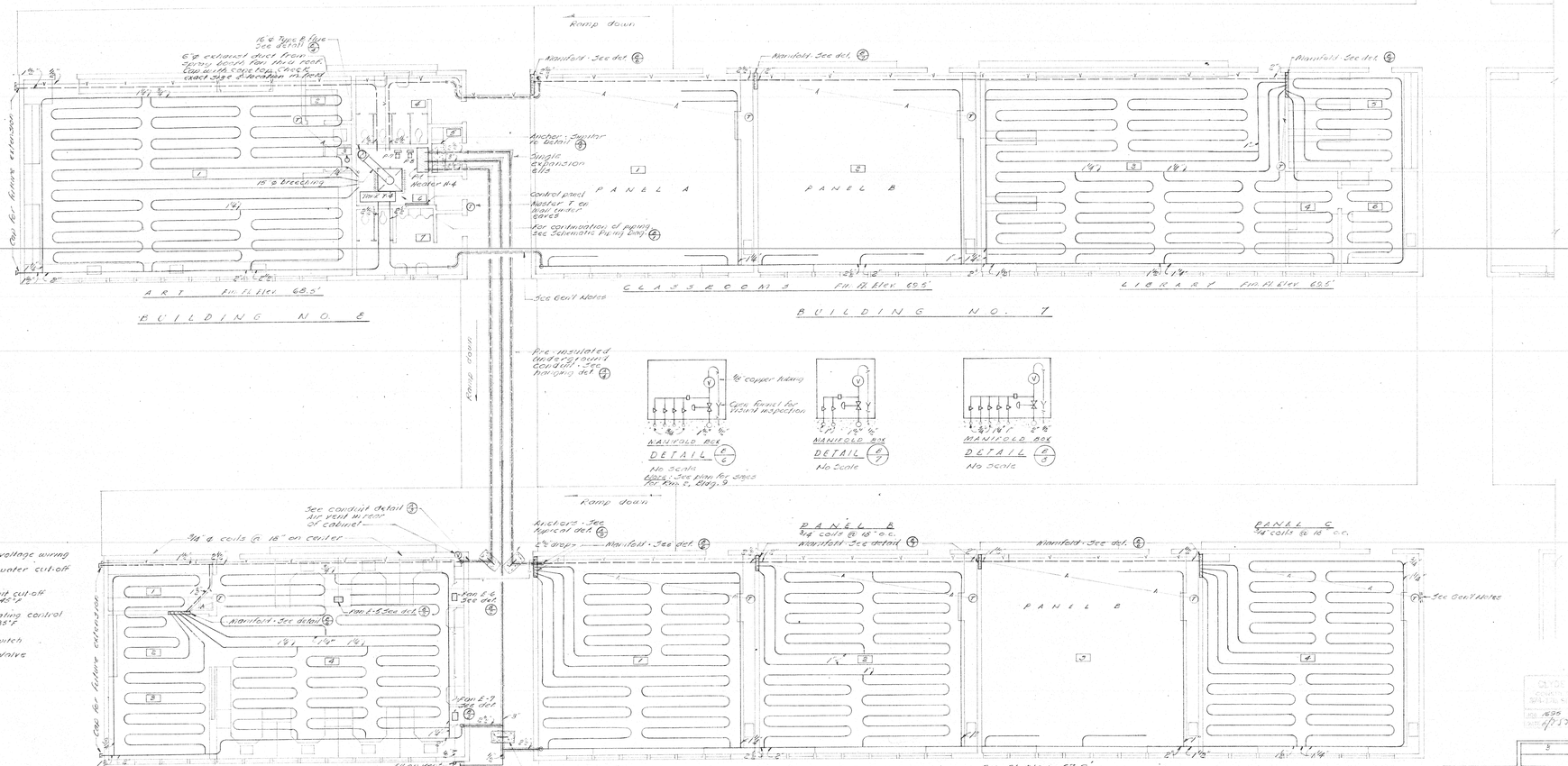
TYPICAL FLUE DETAIL (B/4)

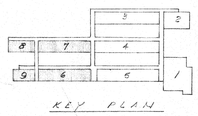
No Scale



SCHEMATIC CONTROL DIAGRAM DETAIL (E/5)

Typical for Heater Rms. in Bldgs. 3, 4 & 8 - No Scale





KEY PLAN

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
9800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT ENGINEER

HEATING PLAN
PLUMBING NO. G.P.-5

AMBROSE INTERMEDIATE SCHOOL

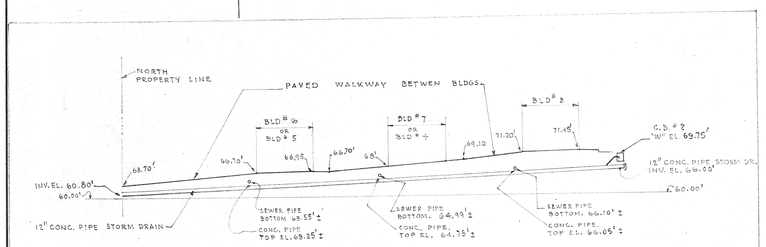
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

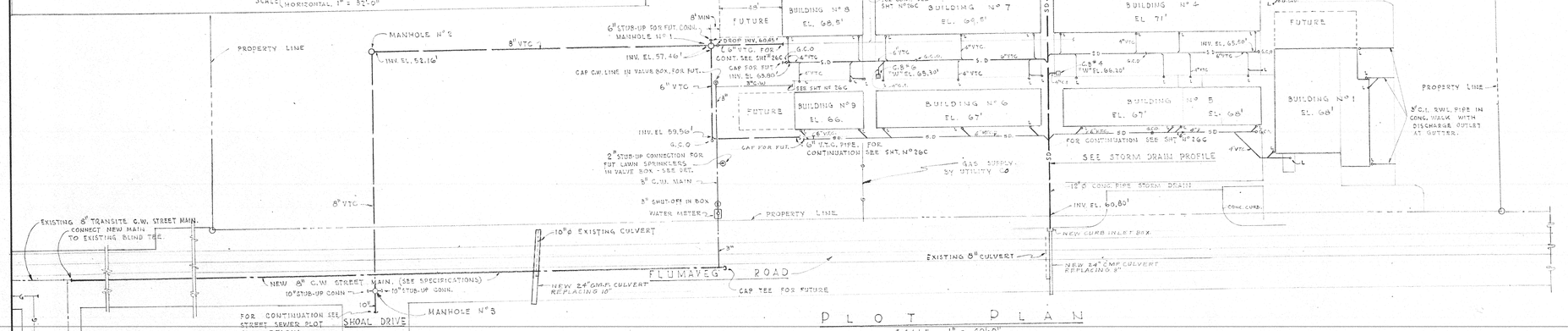
SHEET NO. 25B

OF 45 SHEETS



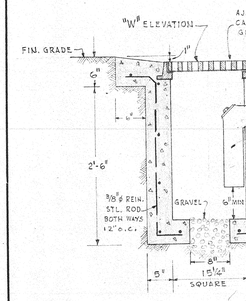
PROFILE OF 12"ø CONCRETE PIPE STORM DRAIN

SCALE (VERTICAL 1" = 16'-0" / HORIZONTAL 1" = 32'-0")

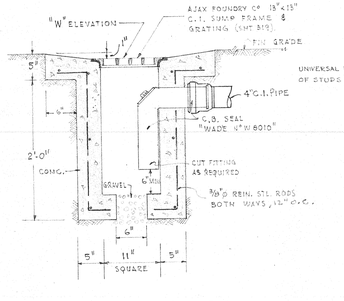


PLOT PLAN

SCALE. 1" = 40'-0"



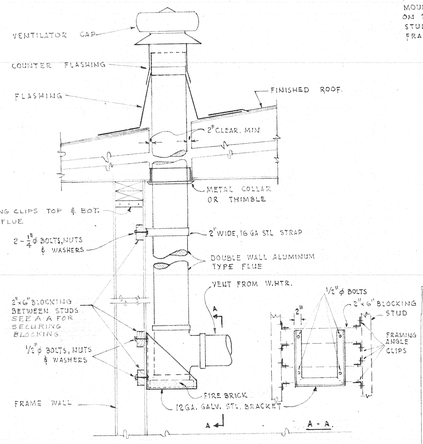
CATCH BASIN N° 1



CATCH BASIN N°S 2, 3, 4, 5 & 6

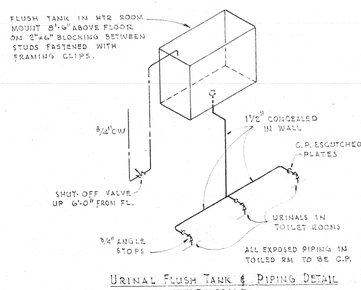
CATCH BASIN DETAILS

SCALE. 1"=1'-0"



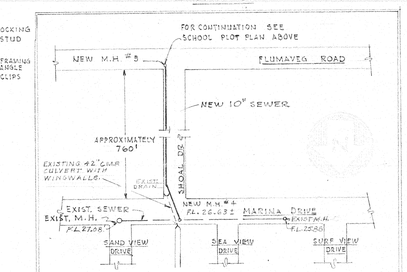
DETAIL OF FLUE AND SUPPORT BRACKET FOR WOOD SHOP WATER HEATER

NO SCALE



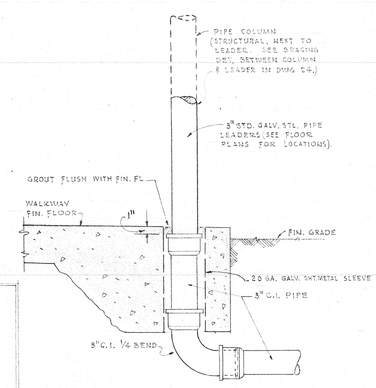
URINAL FLUSH TANK & PIPING DETAIL

NO SCALE



STREET SEWER PLOT PLAN

SCALE. 1" = 150'-0"



LEADER CONNECTION TO UNDERGROUND DRAIN DETAIL

NO SCALE

ALL CONNECTION FROM LEADERS TO UNDERGROUND DRAINAGE TO BE SIMILAR TO ABOVE DETAIL. FOR DETAILS OF LEADERS, SPLASH BLOCKS, BRACES, CONNECTIONS TO ROOF ETC... SEE SHEET N° 24.

LEGEND AND SYMBOLS

ABBREVIATIONS

G.C.O.	GRADE CLEANOUT
F.C.O.	FLOOR CLEANOUT
V.T.R.	VITRIFIED CLAY PIPE
C.I.	CAST IRON
C.W.R.	COLD WATER RISER
C.W.D.	COLD WATER DROP
C.L.G.	CEILING
W.D.	WASTE DROP
H.B.	HOSE BIBB
R.	RISER
V.	VALVE
H.R.	HOSE RACK
C.R.	CLASS ROOM
G. (R)(D)	GAS (RISER)(DROP)
W.HTR.	WATER HEATER
PR.T.R.V.	PRESSURE & TEMP. RELIEF VALVE
D.W.	DISH WASHER
SK.	SINK
G.T.	GREASE TRAP
L	RAIN WATER LEADER.
H.W.	HOT WATER.
S.	SOIL
C.B.	CATCH BASIN
L & S.B.	RAIN WATER LEADER & SPLASH BLOCK
K.W.	KITCHEN SAFE WASTE

PIPE LINES

——— ———	SOIL OR WASTE
——— ———	VENT (HORIZONTAL)
C.W.	COLD WATER
H.W.	HOT WATER
G	GAS
	GATE VALVE
	CHECK VALVE
	GAS COCK
(GV)	GATE VALVE IN SERVICE BOX
S.D.	STORM DRAIN

PLUMBING SCHEDULE OF FIXTURE CONNECTIONS

FIXT. N°	FIXTURE	BRANCH S.W.	VENT	C.W.	H.W.
P-1	WATER CLOSET (F.V.)	4"	2"	1 1/4"	–
P-2	URINAL (FLUSHING TANK	2"	1 1/2	3/4"	–
P-3	LAVATORY (C.W. ONLY)	1 1/2	1 1/2	1/2"	–
P-4	LAVATORY	1 1/2	1 1/2	1/2	1/2"
P-5	SERVICE SINK (C.W. ONLY)	3"	1 1/2"	3/4"	–
P-6	SERVICE SINK	3"	1 1/2"	3/4"	3/4"
P-7	SINK (CLASS ROOM)	1 1/2	1 1/2	1/2	–
P-8	SINK (NURSE & TEACHERS' RM)	1 1/2	1 1/2	1/2"	1/2"
P-9	SINK (ART ROOM)	1 1/2	1 1/2	1/2"	–
P-10	SINK (HOME ECONOMICS)	1 1/2	1 1/2	1/2	1/2"
P-11	SINK (WOOD SHOP)	1 1/2	1 1/2	1 1/2	1 1/2
P-12	WASH FOUNTAIN	2	1 1/2	3/4"	3/4"
P-13	LANDRY TRAY (HOME ECONOMICS)	1 1/2	1 1/2	1/2"	1/2"
P-14	DRINKING FOUNTAIN (OUTSIDE)	1 1/2	1 1/2	3/4"	–
P-15	DRINKING FOUNTAIN (MULTI-USE RM)	1 1/2	1 1/2"	1/2"	–
P-16	LAVATORY (ADMINISTRATION TOILETS)	1 1/2	1 1/2	1/2	1/2"

GENERAL NOTES

1. FOR RELATION OF PIPES AND TRENCHES TO CONCRETE FOOTINGS, REFER TO ARCHITECTURAL AND STRUCTURAL DWGS.
2. COVER OVER BURIED OUTSIDE PIPING SHALL BE A MINIMUM OF 12" FOR CAST IRON AND CONCRETE PIPE, AND A MINIMUM OF 24" FOR VITRIFIED CLAY PIPE. INVERT ELEVATIONS SHALL BE VERIFIED TO CONFORM TO THESE REQUIREMENTS AND PROVISIONS SHALL BE MADE FOR FUTURE CONNECTIONS FOR FUTURE BUILDINGS SERVICES OF GAS, WATER, DRAINAGE AND SEWER.
3. ALL VTR'S TO BE OFFSET AS REQUIRED TO MISS PLATES.
4. OUTSIDE M.B's TO HAVE GATE VALVE IN RISER. STRAP TO WALL UP 10'
5.

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AS TO FORM AND PROCEDURE BOARD OF TRUSTEES OF DIABLO SCHOOL DISTRICT
BY [illegible] DATE AUG 21 1953
APPROVED AUG 21 1953
BY [illegible] SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
9800 PARK BOULEVARD, OAKLAND 10, CALIF. ARCHITECT

PLUMBING

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

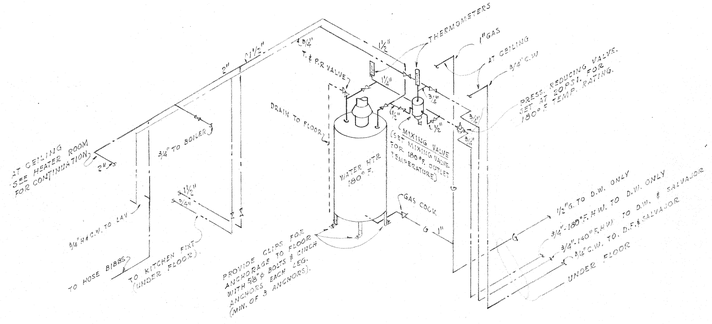
FILE 52-10-X

DATE 6/23/53

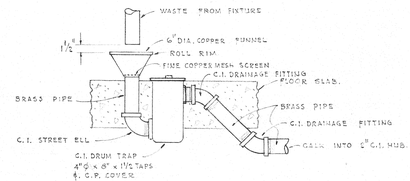
SHEET NO. 26 OF 43 SHEETS

CLYDE E. BENTLEY
CONSULTING STRUCTURAL ENGINEER
1814 FRANKLIN ST. OAKLAND 12
JOB NT 1695
DATE 6-3-53 J.V.C. S. [illegible]

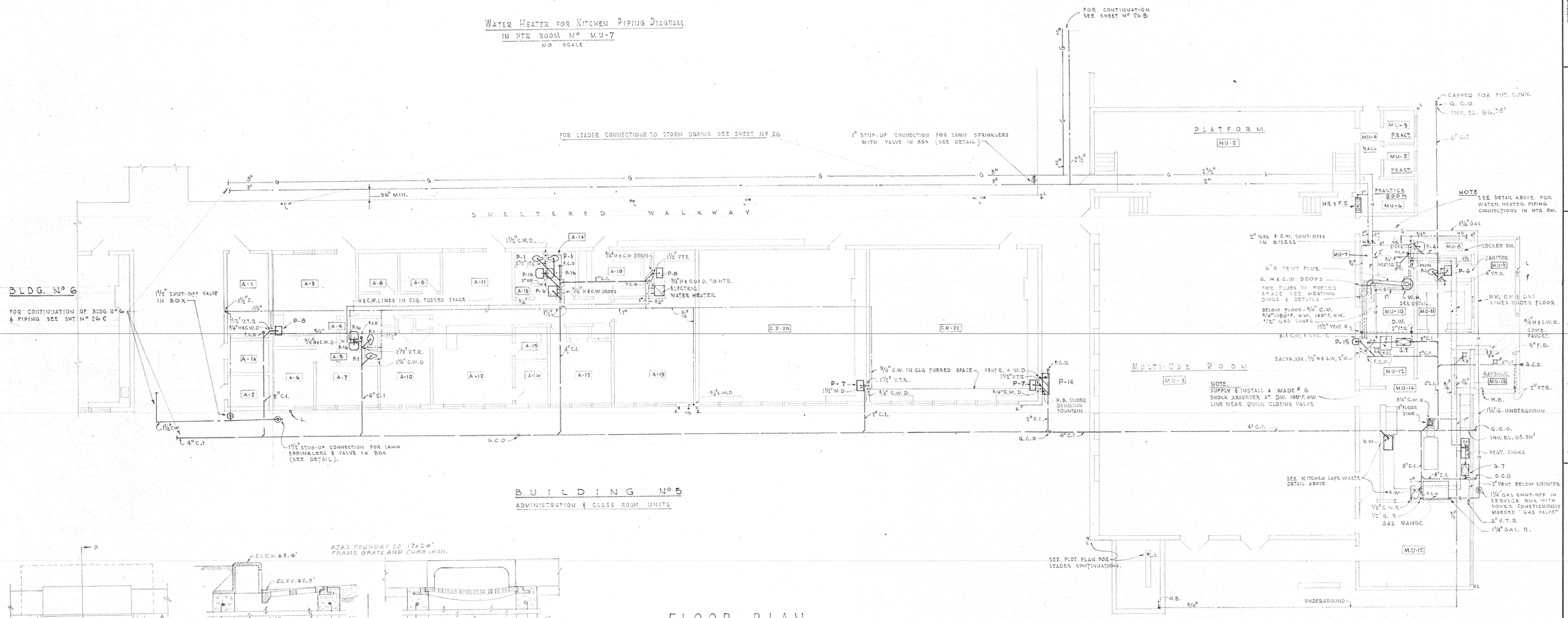
ENGINEER



WATER HEATER FOR KITCHEN PIPING DIAGRAM
IN HTR ROOM Nº MU-7
NO SCALE

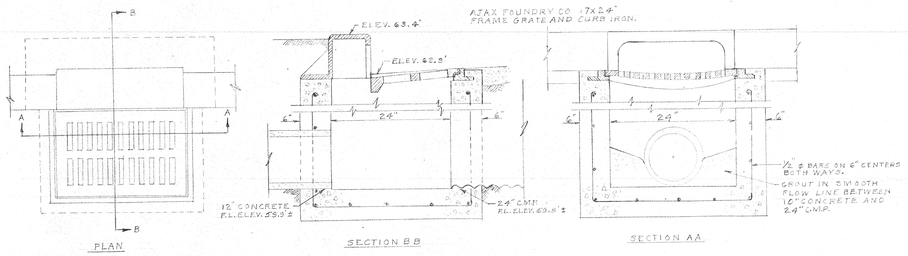


KITCHEN SAFE WASTE DETAIL
NO SCALE



BUILDING Nº 5
ADMINISTRATION & CLASS ROOM UNITS

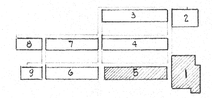
BUILDING Nº 1
MULTI-USE UNIT



CURB INLET BOX
SCALE 1"=1'-0"

FLOOR PLAN
SCALE: 1/8"=1'-0"

KEY PLAN



BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AUG 2 8 1953

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD OAKLAND 10, CALIF.
ARCHITECT

PLUMBING
Bid Set No. 15

AMBROSE INTERMEDIATE SCHOOL

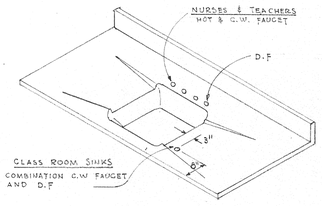
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

DATE 6/23/53

CLYDE E. BENTLEY
CONSULTING ENGINEER
874 GRAND AVE.
OAKLAND 10
Nº 16635
6-23-53 EXP. 3-6-54
ENGINEER

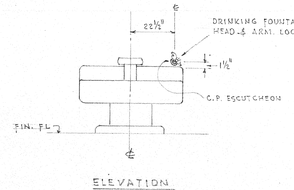
SHEET 87.
26A
OF 43 SHEETS



CLASS ROOM SINKS
COMBINATION C.W. FAUCET AND D.F

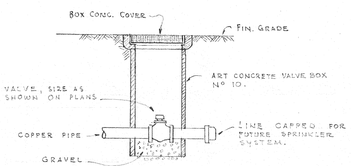
ALL UNUSED DRILLINGS TO BE COVERED

ST. STL. SINK FAUCET & D.F. LOCATION
NO SCALE.

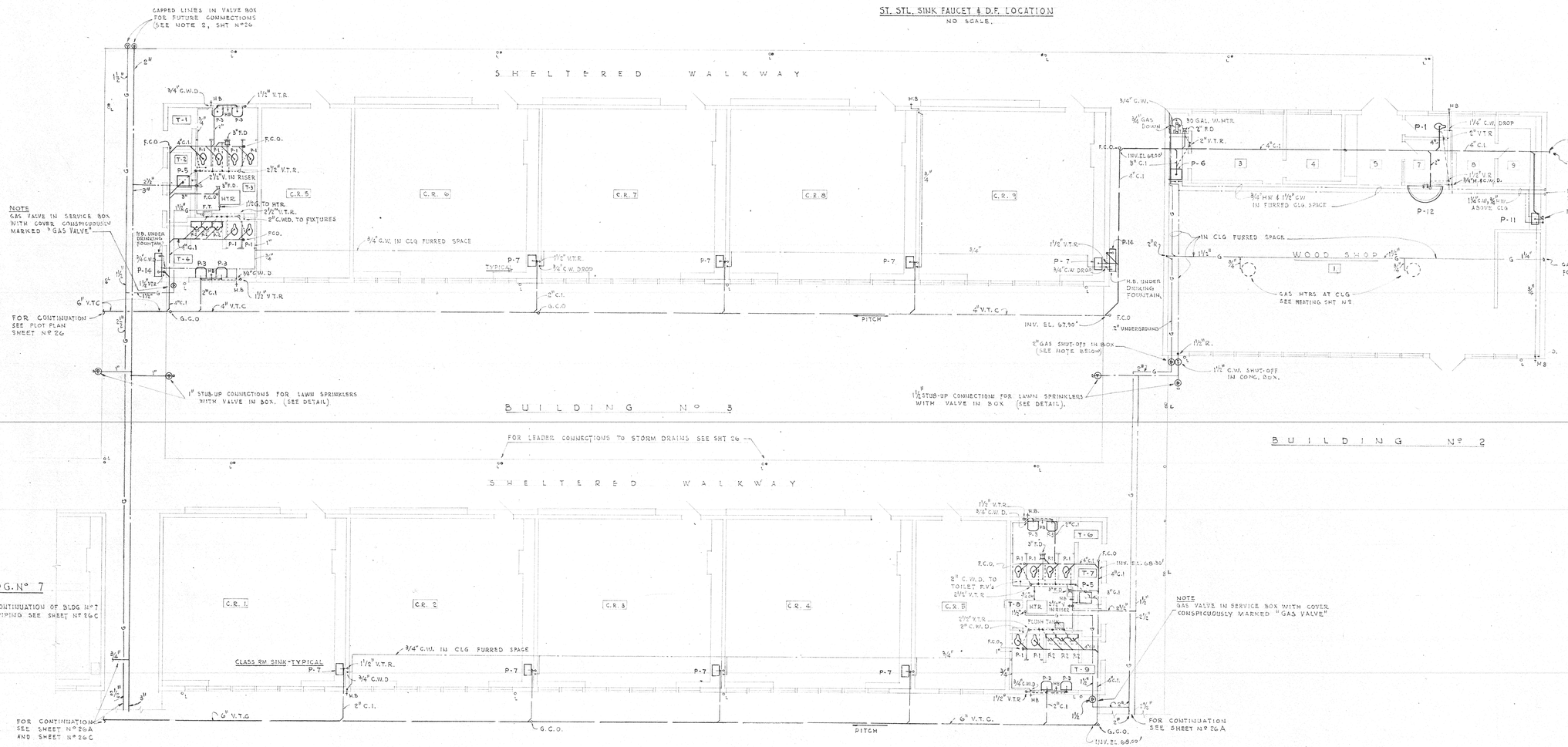


ELEVATION

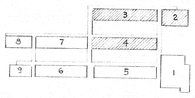
WASH FOUNTAIN DETAIL
WITH DRINKING F'T'N LOCATION
NO SCALE



SPRINKLER VALVE BOX DETAIL
NO SCALE.



FLOOR PLAN
SCALE 1/8" = 1'-0"



KEY PLAN

CLYDE E. BENTLEY
CONSULTING ENGINEER
324-17TH ST. OAKLAND 12
JOB No 1995
DATE 6-5-53 J.V.C. & CEB

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

APPROVED AUG 24 1953
Secretary of Board of Trustees of Public Works
Contra Costa County, California
By [illegible]

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF. — ARCHITECT

PLUMBING
BLDGS. No 2 & 3

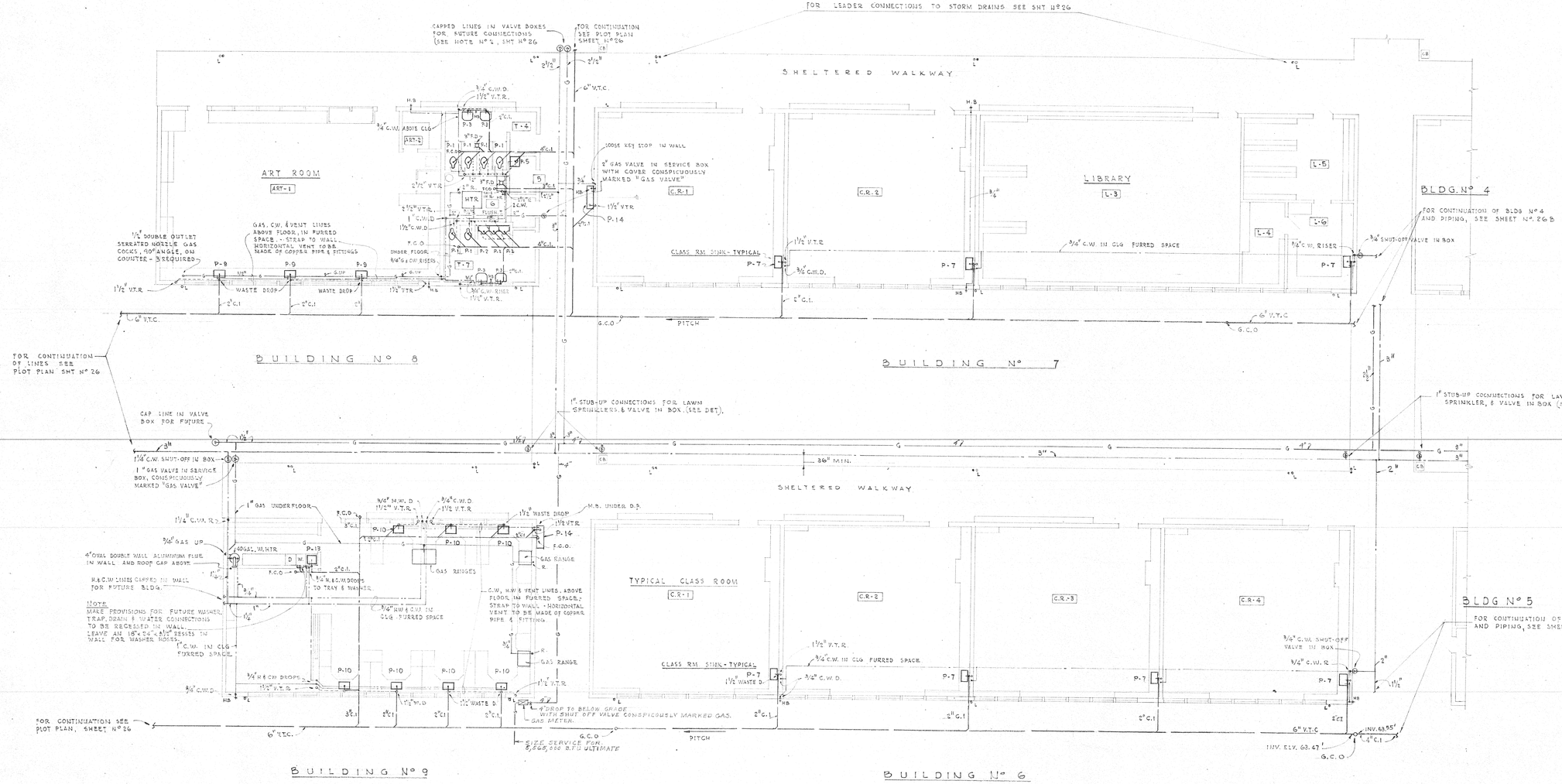
AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE 52-10-X

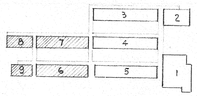
DATE 6/23/53

SHEET 98.
26B
OF 43 SHEETS



FLOOR PLAN

SCALE: 1/8" = 1'-0"



KEY PLAN

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPROVED AUG 24 1955
[illegible]

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
CONFER & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN LYON REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

PLUMBING
BLDG NO. 4, 7 & 8

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

ENGINEER

FILE 52-10-X

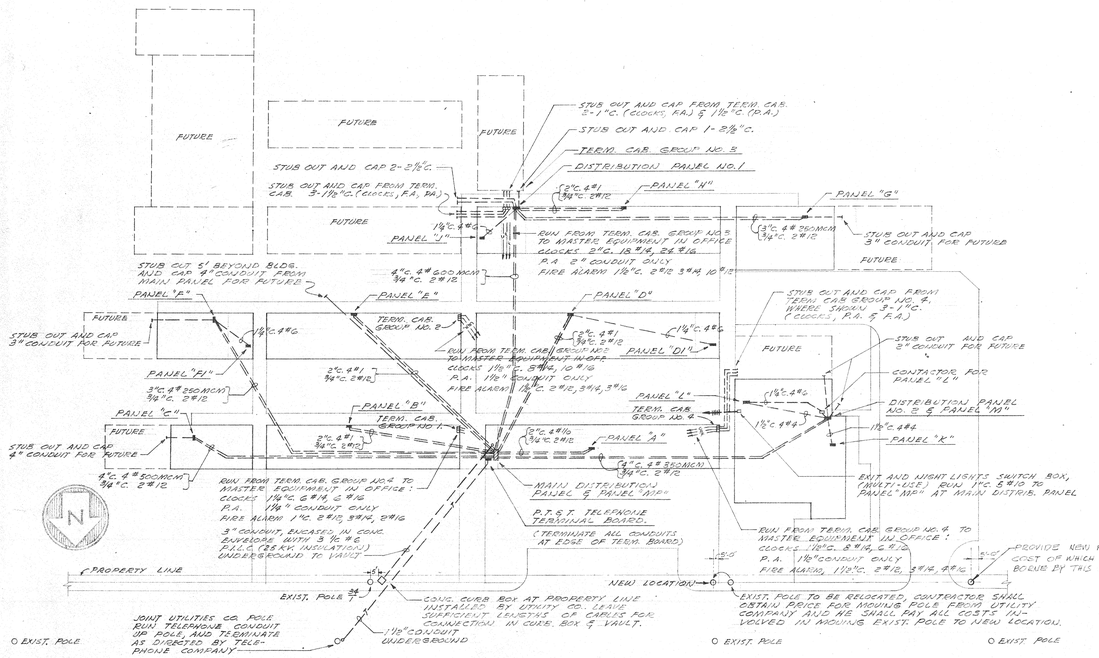
DATE 6/23/53

SHEET 59.

26C

OF 43 SHEETS

CLYDE E. BENTLEY
CONSULTING ENGINEER
376 - 17th ST.
OAKLAND 12
JOB Nº 1695
DATE 9-3-53 J.V.C.



FLUMAVEG ROAD

PLOT PLAN

SCALE 1" = 40'

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATTS	LOCATION	MOUNTING	MOUNT. HEIGHT
A	SMOOT HOLMAN "EDUCATOR" CONCENTRIC DRIVE FIXTURE, CAT. NO. REA-1606-S.	300W. S.B. OR 6300 S.B.	CLASSROOMS	SUSPENDED	9'-6" APPROX.
A-1	SAME AS TYPE "A" EXCEPT CEILING MOUNTED, CAT. NO. REA-500-C.	300W. S.B. OR 1000W. S.B.		CEILING	—
B	SMOOT HOLMAN "CEILING-LITE" FIXTURES, CAT. NO. CL4-WD.	2-75W.	MISC. ROOMS	CEILINGS	—
C	HUB RECESSED FIXTURE, CAT. NO. G-190-748 EX WITH PLASTER FRAME AND FIXTURE TO BE UL APPROVED FOR WOOD CONSTRUCTION.	100 W. MAX.	PASSAGE	RECESSED	—
D	BENJAMIN "TUBULUX" BUD REFLECTOR, PADDLE-FIT WOOD CAT. NO. 7642	150W.	MISC. ROOMS	SUSPENDED	18" STEM.
D-1	SAME AS TYPE "D" EXCEPT FOR 300W. LAMP. CAT. NO. 7643	300W.	MISC. ROOMS	SUSPENDED	18" STEM
E	HOLOPHANE LOW BAY UNIT, CAT. NO. AL-685 WITH CAT. NO. 0256 RIM GUARD	500W.	WOOD SHOP	14" STEM, SUSPENDED	18'-0" APPROX
F	HOLOPHANE RECESSED DOUBLE UNIT, CAT. NO. F-1724-2 FOR INSTALLATION IN ACOUSTICAL TILE CEILING.	2-300W.	MULTI-USE	RECESSED	—
F-1	SAME AS TYPE "F" EXCEPT FOR AN ADDITIONAL SOCKET FOR 25 WATT NIGHT LIGHT.	2-300W. 1-25W.	MULTI-USE	RECESSED	—
F-2	HOLOPHANE RECESSED SINGLE UNIT, CAT. NO. F-1774	300W.		RECESSED	—
G	WHEELER PLUSH EXIT SIGN, 6" STENCIL LETTERS ON GREEN GLASS, CAT. NO. 1706-G.	2-25W.	MULTI-USE	RECESSED	OVER DOOR
H	HOLOPHANE REFLECTOR FOR-ACTORS FIXTURE, CAT. NO. S-2170.	150W.	BOOK STORAGE	SUSPENDED	
I	ALABAX PORCELAIN FIXTURE, KEYLESS, CAT. NO. AL-3141.	AS NOTED	MISC. ROOMS	WALL OR CEILINGS	7'-6"±0" ON WALLS
I-1	ALABAX PORCELAIN FIXTURE, KEYLESS WITH OUTLET, CAT. NO. AL 9238.	75W.	TOILETS	WALL	OVER MIRROR
J	HOLOPHANE RECESSED HOUSING, CAT. NO. 3-4560 WITH TWISTLOCK RECEPTACLES & CAT. NO. 10637 TWISTLOCK INSERT & HUBB CAP(S)	3-600W.	MULTI-USE	RECESSED	SEE DETAIL
K	HOLOPHANE RECESSED FIXTURE, CAT. NO. F-1765-A WITH PLASTER FRAME	300W.	MULTI-USE	RECESSED	—
L	MARCO RECESSED "CONTROLITE" FIXTURE, CAT. NO. CL-131 WITH STAINLESS STEEL RING LOUVER	150W.	MULTI-USE	RECESSED	—
K-1	SAME AS TYPE "K" EXCEPT WITH ADDITIONAL SOCKET FOR 25 WATT NIGHT LIGHT.	300W. 25W.	MULTI-USE	RECESSED	—
M	HOLOPHANE CAST ALUMINUM BRACKET FIXTURE, CAT. NO. B43	150W.	EXTERIOR	WALL	UP 7'-6" UNLESS OTHERWISE NOTED
N	MARCO RECESSED FIXTURE, CAT. NO. LM-31-96, ENAMEL FINISH.	100 W. OR 150W.	MISC. ROOMS	RECESSED	—
O	COLUMBIA SLIMLINE FIXTURE CAT. NO. SLC-372-M-13 WITH # H 401 HANGER	2-75W.	ART ROOM	SUSPENDED	
P	COLUMBIA RECESSED SLIMLINE FIXTURE, CAT. NO. SRL-372-M-13	2-75W. T12 96" 430 MA.	DISPLAY CASE	RECESSED	—
R	WESTLITE "THEATRELITE" CAT. NO. 1063-CTU WITH COLOR FRAMES, YOKE, PIPE CLAMP & 7'-0" ASBESTOS WIRE LEADS	500W.	PLATFORM	PIPE BATTEN	—
BORDER LIGHTS	CONSISTING OF 3 WESTLITE 4'-6" LONG PORTABLE SECTIONS, CAT. NO. 3000-TU WITH HANGING CHAINS, GELS, COLOR FILTERS, 3 PIGTAILS, TWIST LOCK CAPS, INDIVIDUAL REFLECTORS, & 7'-0" C. FOR 150 WATT LAMPS.	9-150W IN EACH SECTION	PLATFORM	FURNISH AND INSTALL 16" FROM BOTTOM, WITH 3 CHAIN HANGER SETS WITH 3 STEP ADJUSTMENT, 1 SET TO BE DEAD HUNG AND INSTALLED APPROX. 8'-0" UP STAGE.	
S	BENJAMIN "UTILITY" FLOOD-LIGHT, SPREAD TYPE, CAT. NO. S-6232-E WITH TYPE "B" WALL MOUNTING BRACKET	750W.	EXTERIOR	WALL	MOUNT 18'-0" ABOVE MULTI-USE RM. FLOOR
T	BENJAMIN VAPORTIGHT FIXTURE, ANGLE BODY, TYPE WITH J.B. CAT. NO. 611, OPAL GLOBE	100W.	WOOD SHOP	WALL	SEE DETAIL
U	BENJAMIN VAPORTIGHT FIXTURE CAT. NO. 6501, OPAL GLOBE	100W.	WALKWAY	CEILING	—

MAIN DISTRIBUTION PANEL

NO.	NAME PLATE DESIGNATION	BREAKER POLE	BREAKER SIZE	BREAKER TRIP	FEEDER COND.	FEEDER WIRE	REMARKS
1	MAIN BREAKER	3	1600	1000	—	1200A BUS	
2	SPACE ONLY FOR FUTURE	3	600	—	4"	——	
3	DISTRIB. PANEL NO.1 BLDG. NO. 8	3	600	360	4"	4-600 MCM & 2 #12	
4	DISTRIB. PANEL NO.2 BLDG. NO. 1	3	225	225	4"	4-350 MCM & 2 #12	"J" FRAME
5	PANEL "C" BLDG. NO. 9	3	600	300	4"	4-600 MCM & 2 #12	
6	PANEL "F" BLDG. NO. 8	3	225	125	3"	4-250 MCM & 2 #12	"J" FRAME
7	PANEL "B" BLDG. NO. 6	3	100	100	2"	4 #1, 2 #12	
8	PANEL "E" BLDG. NO. 7	3	100	100	2"	4 #1, 2 #12	
9	PANEL "A" BLDG. NO. 5	3	225	125	2"	4 #1/0, 2 #12	"J" FRAME
10	PANEL "D" BLDG. NO. 4	3	100	100	2"	4 #1, 2 #12	
11.	PANEL "MP" MAIN PANEL	3	100	50	1"	4 #6	
12.	SPACE ONLY FOR FUTURE	3	225		—		"J" FRAME

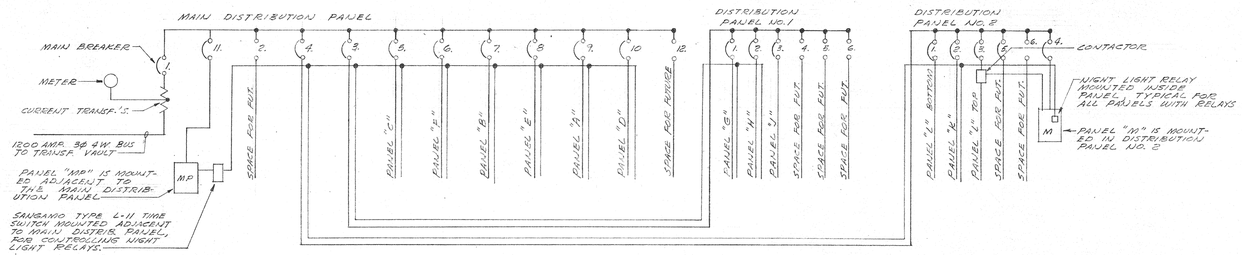
FOR DETAIL OF PANEL, SEE SHEET NO. 27-A

PANELBOARD SCHEDULE

PANEL	A	B	C	D	D1	E	F	F1	G	H	J	K	L	M	MP
	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.	BREAKER NO. CIRC.
FLUSH MOUNTED	✓	✓	✓	✓		✓	✓		✓	✓		✓		✓	
SURFACE MOUNTED					✓			✓			✓		✓		✓
RELAY FOR NIGHT LIGHTS	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓	
TYPE "NAIS" BREAKER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1 POLE 20 AMP. SPARE	30 1-30 30	24 1-24 19-24	24 1-24 21-24	24 1-24 19-24	12 1-12 8,9,10,11,12	26 1-26 22,24-26	16 1-16 10-16	12 1-12 8,9,10,11,12	15 2,4-18 15-18	24 1-24 19-24	12 1-12 8,9,10-12	18 1-18 16-18	30 2,3-18, 23,25-27	16 1-16 13-16	8 1-8 8
1 POLE 30 AMP. SPARE									3 1,3,5				6 1-6 4,5 2 29-30		
1 POLE 50 AMP. SPARE															
2 POLE 15 AMP. SPARE			2 28,29 28,27						18 19-30 30						
2 POLE 20 AMP. SPARE	4 31-34 34											2 19-20 20			2 9-10 10
2 POLE 30 AMP. SPARE			1 26												
2 POLE 50 AMP. SPARE			3 26,27 #10				2 17,18 18								
3 POLE 15 AMP. SPARE					2 13,14 14							2 21-22 22			
3 POLE 50 AMP. SPARE				2 25-26 26			2 19-20 20								
3 POLE 70 AMP. SPACE													1 31		

PANELBOARD NOTES

1. RELAYS FOR NIGHT LIGHTS SHALL BE WARD LEONARD, BULLETIN 106, 1 POLE 30 AMP. MOUNTED INSIDE PANEL. CONTROLLED BY TIME SWITCH ON CIRCUIT MP-7.
2. PANEL "L" IS A SPECIAL SPLIT BUS PANEL. TOP SECTION IS CONTACTOR CONTROLLED, BREAKER NO. 3 ON DISTRIB. PANEL NO. 2 IS MAIN. BOTTOM SECTION, BREAKER NO. 1 ON DISTRIB. PANEL NO. 2 IS MAIN.
3. CONTACTOR FOR TOP SECTION OF PANEL "L" SHALL BE ON SHOCK ABSORBING MOUNTS ON HEATER ROOM WALL. DISTRIB. PANEL NO. 2 ASCO BULLETIN 920, TYPE "RC" 60 AMP. 3 POLE CAT. NO. 926 "PC". CONTROL CIRCUIT IS M-5.
4. CIRCUIT D-25 IS MAIN FOR PANEL "D1"
5. CIRCUIT F-19 IS MAIN FOR PANEL "F1"
6. ALLOW SUFFICIENT SPACE FOR FUTURE DOUBLE LUGGING ON PANELS "C", "F" & "G".
7. PUSHBUTTON STATIONS AND EXIT & NIGHT LIGHT SWITCHES (MULTI-USE ROOM) SHALL BE IN LOCKED WALL BOXES, SAME CONSTRUCTION AS PANELBOARDS.
8. INSTALL CIRCUIT BREAKER LOCKING DEVICES ON CIRCUITS 1 TO 7 ON PANEL "MP"



SINGLE LINE WIRING DIAGRAM

SYMBOL LIST

- INCANDESCENT CEILING MOUNTED FIXTURE
- INCANDESCENT RECESSED MOUNTED FIXTURE COMPLETE WITH OUTLET BOX AND FLEXIBLE CONDUIT.
- INCANDESCENT WALL MOUNTED FIXTURE
- EXIT FIXTURE, SEE FIXTURE SCHEDULE
- JUNCTION BOX OR OUTLET BOX, MOUNT. HEIGHT AS NOTED
- (M) MOTOR OUTLET WITH COMPLETE CONNECTIONS TO MOTOR AND CR CONTROLS.
- MOTOR STARTER
- MOTOR DISCONNECT
- S SINGLE POLE SWITCH
- S_2 DOUBLE POLE SWITCH
- S_3 THREE WAY SWITCH
- S_K KEY OPERATED SWITCH
- S_T THERMAL OVERLOAD SWITCH
- DUPLEX CONVENIENCE RECEPTACLE, UP 18" UNLESS OTHERWISE NOTED
- R_B RECEPTACLE MOUNTED HORIZONTALLY IN BASEBOARD.
- FOOD WARMER OUTLET, UP 18",
- HEATER OUTLET, UP 12",
- FLOOR RECEPTACLE IN NATIONAL ELECTRIC #800 FLOOR BOX.
- V VISUAL AID OUTLET, UP 18"
- VISUAL AID OUTLET IN NATIONAL ELECTRIC #800 FLOOR BOX
- TELEPHONE OUTLET (P.B.X.) UP 18" UNLESS OTHERWISE NOTED. WITH ONE NOLE COVER.
- C CLOCK, UP 8'-9" UNLESS OTHERWISE NOTED
- PROGRAM BELL, UP 10'-0" UNLESS OTHERWISE NOTED
- FIRE ALARM HORN, UP 10'-0" UNLESS OTHERWISE NOTED
- FIRE ALARM STATION, UP 4'-6" UNLESS OTHERWISE NOTED
- PUBLIC ADDRESS SPEAKER OUTLET ONLY, UP 8'-8" UNLESS OTHERWISE NOTED.
- SPEAKER TALKBACK BUTTON OUTLET ONLY, UP 4'-8" UNLESS OTHERWISE NOTED.
- COMBINATION SPEAKER AND TALKBACK BUTTON OUTLET ONLY, UP 5'-6"
- DESK SPEAKER OUTLET ONLY, UP 12" UNLESS OTHERWISE NOTED.
- MICROPHONE OUTLET IN NATIONAL ELECTRIC #800 FLOOR BOX.
- MICROPHONE OUTLET, UP 18" IN SINGLE GANG BOX
- PUSHBUTTON STATION, UP 5'-0" IN LOCKED RECESSED WALL BOX, SAME CONSTRUCTION AS PANELBOARDS
- 1-2 POLE SWITCH FOR EXIT LIGHTS & 1-1 POLE SWITCH FOR NIGHT LIGHTS, UP 5'-0" IN LOCKED RECESSED WALL BOX, SAME CONSTRUCTION AS PANELBOARDS.
- RANGE OUTLET, UP 18"
- SLIMLINE CEILING MOUNTED FIXTURE.
- RECESSED WALL POCKET, 2 GANG WITH 2 WIRE TWISTLOCK RECEPTACLES, WESTLITE CAT. # 4907-WR UP 18"
- RECESSED CEILING POCKET FOR BORDER LIGHTS, 3 GANG WITH 2 WIRE TWISTLOCK RECEPTACLES, WESTLITE CAT. # 4510-WR
- RECESSED FLOOR POCKET FOR FOOTLIGHTS, 3 GANG WITH 2 WIRE TWISTLOCK RECEPTACLES, WESTLITE CAT. # 4503.
- BRANCH CIRCUIT IN CONDUIT, CONCEALED, CEILINGS OR WALLS
- BRANCH CIRCUIT IN CONDUIT, UNDER FLOOR OR UNDER GROUND.
- —C— CLOCK SYSTEM CONDUIT
- —F— FIRE ALARM SYSTEM CONDUIT
- —P— PUBLIC ADDRESS SYSTEM CONDUIT (NO WIRES)
- —T— P.B.X. TELEPHONE SYSTEM CONDUIT
- —E— EXIT LIGHTS SYSTEM CONDUIT.
- HOME RUN TO PANEL, 3/4"C #12 E UNLESS INDICATED. CROSS LINES INDICATES NO. OF WIRES. #12 E. #12 E SHOWN.
- N.L. INDICATES THAT FIXTURE IS ON NIGHT LIGHT CIRCUIT, CIRCUIT AS NOTED.

DISTRIBUTION PANEL NO. 1 — SURFACE MOUNTED

NO.	NAME PLATE DESIGNATION	BREAKER POLE	BREAKER SIZE	BREAKER TRIP	FEEDER COND.	FEEDER WIRE	REMARKS
1	PANEL "G" BLDG. NO. 2	3	225	150	3"	4-250 MCM & 2 #12	"J" FRAME
2	PANEL "H" BLDG. NO. 3	3	100	100	2"	4 #1, 2 #12	
3	PANEL "J" HEATER RM	3	100	50	1"	4 #6	
4	SPACE ONLY FOR FUT.	3	225	—			"J" FRAME
5	SPACE ONLY FOR FUT.	3	100	—			
6	SPACE ONLY FOR FUT.	3	100	—			

FOR DETAIL OF PANEL, SEE SHEET NO. 27-B

DISTRIBUTION PANEL NO. 2 - SURFACE MOUNTED

NO.	NAME PLATE DESIGNATION	BREAKER POLE	BREAKER SIZE	BREAKER TRIP	FEEDER COND.	FEEDER WIRE	REMARKS
1	PANEL "L" STAGE, BOTTOM	3	100	100	2"	4 #1	
2	PANEL "K" KITCHEN	3	100	70	1 1/4"	4 #4,	
3	PANEL "L" STAGE, TOP	3	100	50	1 1/4"	4 #6	CONTACTOR CONTROLLED
4	PANEL "M" HEATER RM	3	100	50	—	4 #6, 2 #12	
5	SPACE ONLY FOR FUT.	3	100	—			
6	SPACE ONLY FOR FUT.	3	100	—			

FOR DETAIL OF PANEL, SEE SHEET NO. 27-A

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF THE OFFICE OF THE DIVISION OF SCHOOL BUILDING PLANNING AND CONSTRUCTION. APPROVED AUG 24 1953 23017 [signature]

ASSOCIATED ARCHITECTS
ANDERSON & SIMONDS
COFFEY & WILLIS
REYNOLDS & CHAMBERLAIN
JOHN J. REID
2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT — ENGINEER

ELECTRICAL

AMBROSE INTERMEDIATE SCHOOL
MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

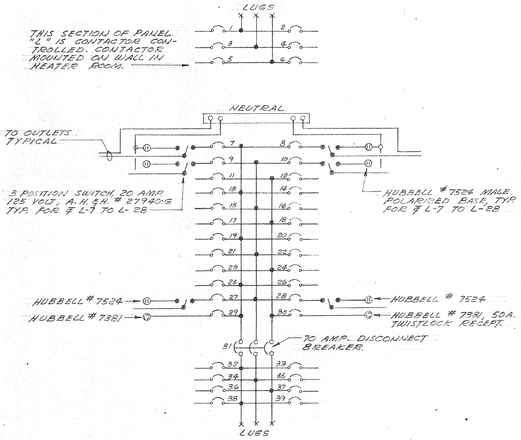
FILE 52-10-X

DATE 6/23/53

SHEET 40.

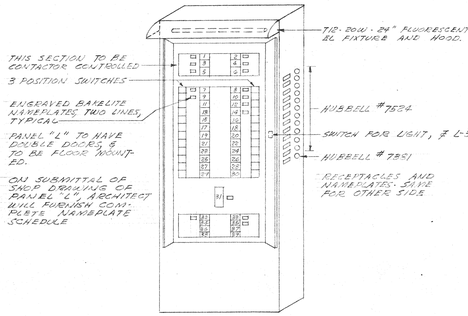
OF 45 SHEETS

CLYDE E. BENTLEY
CONSULTING ENGINEER
1714 - 27th ST.
OAKLAND 11
1695 IN [illegible]
6/19/53 JJB A EC



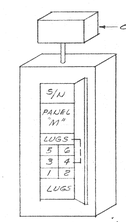
WIRING DIAGRAM PANEL "L"

NO SCALE



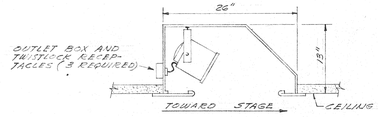
ELEVATION PANEL "L"

NO SCALE



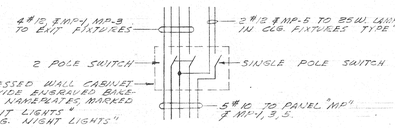
DISTRIBUTION PANEL NO. 2

SCALE 1/2" = 1'-0"



DETAIL OF FIXTURE "J"

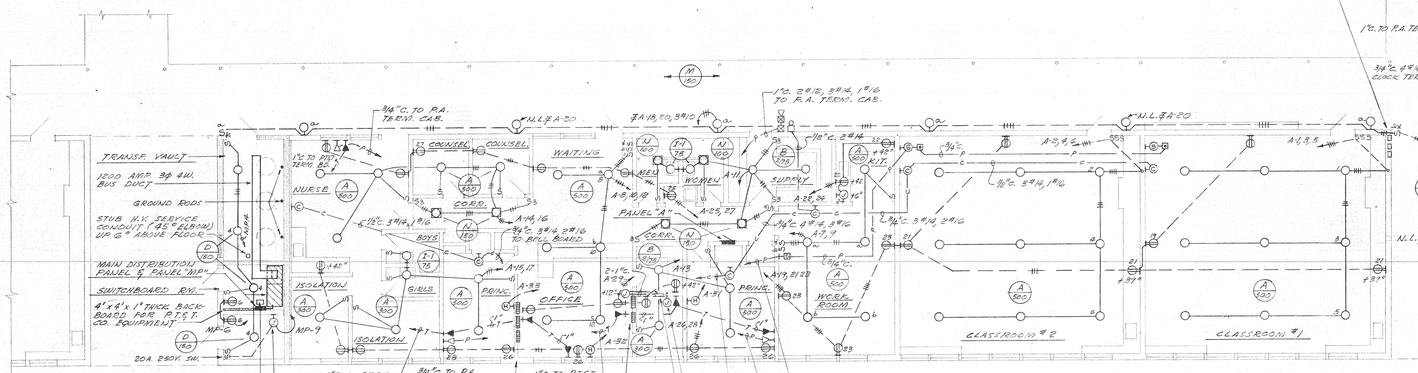
NOTE: EACH FIXTURE SHALL HAVE 3 - THEATERLITES, CAT. NO. 1003-T.



EXIT & NIGHT LIGHTS WIRING DIAGRAM

HEATER ROOM NOTES:

1. MOUNT STARTERS AND SWITCHES FOR MOTORS ON CONTROL PANEL.
2. MOUNT RECEPTACLE, 4 #3" MOUNT OUTLET FOR HEATER CONTROLS, 4 S-101 ON CONTROL PANEL.
3. # M-5 IS CONTROL CIRCUIT FOR CONTACTOR


TRANSF. VAULT
1200 AMP. 3Ø 4W. BUS DUCT
GROUND RODS
STUB H.K. SERVICE CONDUIT (45° ELBOW) UP 6" ABOVE FLOOR
MAIN DISTRIBUTION PANEL & PANEL "MP"
SWITCHBOARD RM.
4' x 9' x 1" THICK BACKBOARD FOR P.T.&T. CO. EQUIPMENT
MP-6
30A. 250V. SW.
MOUNT RECTIFIER FOR CLOCK & FIRE ALARM SYSTEM UP 7'6" ON WALL, MP-2 & #12 (PAUL 6 #14, 2 #12 FROM RECTIFIER TO MASTER CLOCK)
OUTLET FOR 4 KW. 220V. HT. HEATER, CHECK EXACT LOCATION
1"C. TO PT&T. TERM. BD.
3/4"C. TO P.A. TERM. CAB.
MASTER CLOCK AND 2 BELL BOARDS
MASTER F.A. ALARM PANEL & ANNUNCIATOR
1"C. TO P.A. TERM. CAB.
3/4"C. 4 #14, 4 #16 TO BELL BOARD
4" SQ. BOX FOR FUTURE ANTENNA, 1 1/2" STUB 1"C. THRU DOOR 4" SQ. CAP FROM BOX
MAIN PUBLIC ADDRESS TERMINAL CABINET, 18"W. x 24"H. x 4"D.
3/4"C. TO P.A. TERM. CAB.
1"C. 2 #12, 3 #14, 1 #16 TO P.A. TERM. CAB.
3/4"C. TO P.A. TERM. CAB.
N.L.T.A-20
#A 18, 20, 3 #16
COUNSEL
WAITING
NURSE
CORR.
BOYS
MEN
WOMEN
MAIL
SUPPLY
KIT.
ISOLATION
GIRLS
PRINC.
OFFICE
WORK ROOM
PANEL "A"
CLASSROOM #2
CLASSROOM #1
A-1, 3, 5
A-25, 27
A-26, 28
A-7, 9
A-15, 17
A-19, 21
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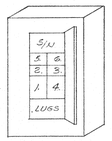
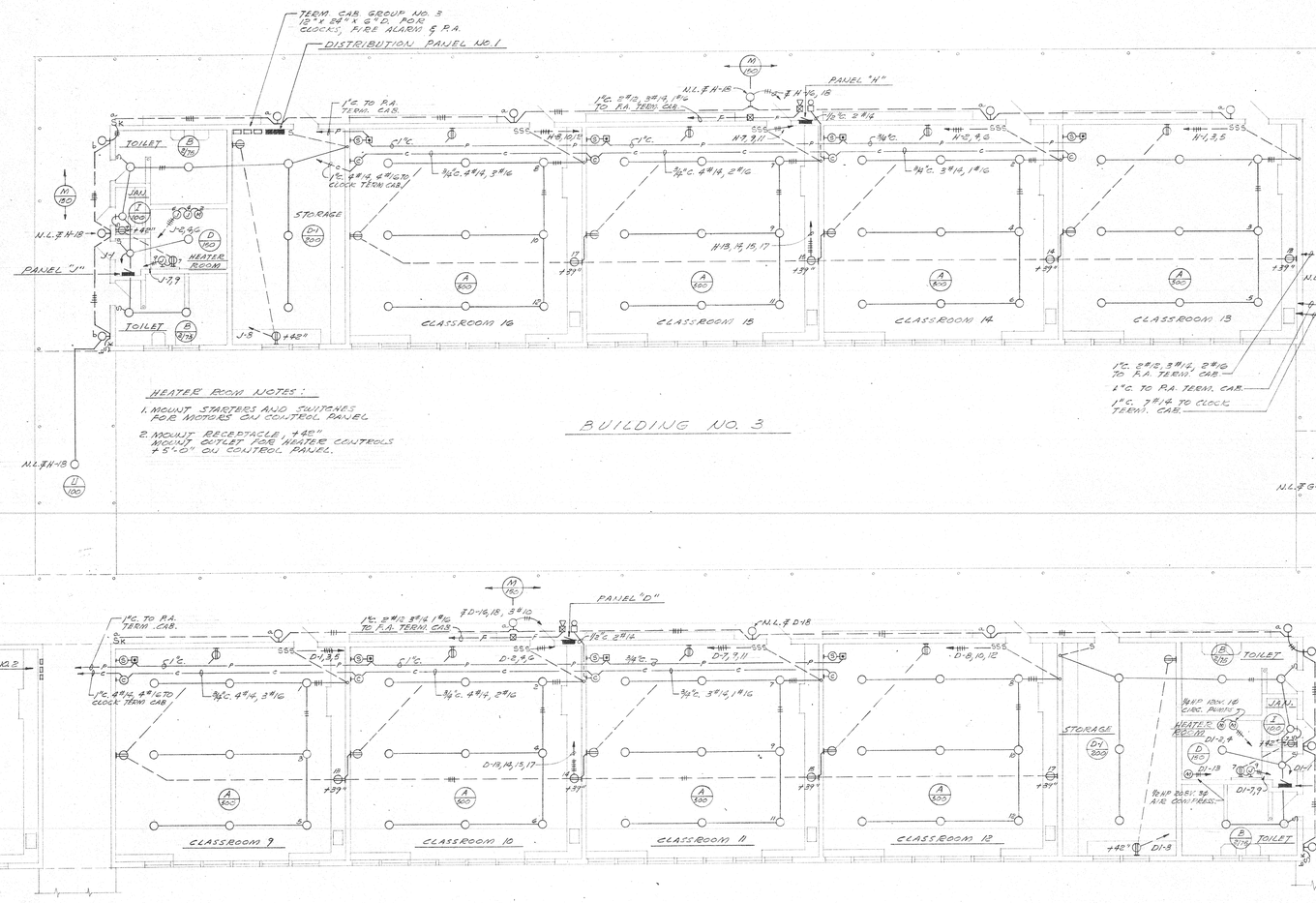
A-107



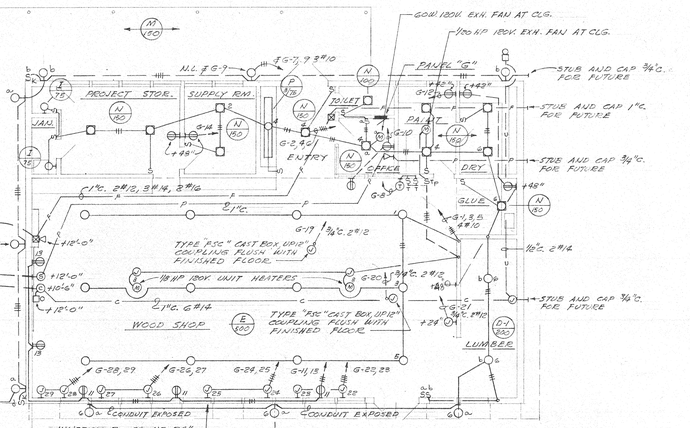
DISTRIBUTION
PANEL NO. 1
SCALE 1/2"=1'-0"



HEATER ROOM NOTES:

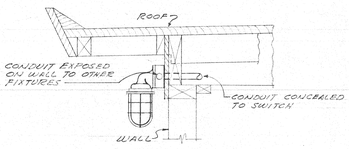
1. MOUNT STARTERS AND SWITCHES FOR MOTORS ON CONTROL PANEL
2. MOUNT RECEPTACLE +49" MOUNT OUTLET FOR HEATER CONTROLS +5'-0" ON CONTROL PANEL.

BUILDING NO. 3



BUILDING NO. 2

BUILDING NO. 4

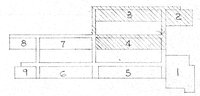


MOUNTING DETAIL
FIXTURE TYPE "T"
NO SCALE

HEATER ROOM NOTES:

1. MOUNT STARTERS AND SWITCHES FOR MOTORS ON CONTROL PANEL
2. MOUNT RECEPTACLE +49" MOUNT OUTLET FOR HEATER CONTROLS, +5'-0" ON CONTROL PANEL.

FLOOR PLAN
SCALE 1/8"=1'-0"



KEY PLAN

BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

DEPT. OF ARCHITECTURE — DEPARTMENT OF PUBLIC WORKS — STATE OF CALIFORNIA
APPROVED AUG 21 1953
DSA 017

ASSOCIATED ARCHITECTS
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CONFER & WILLIS
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2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT
ENGINEER

ELECTRICAL
Bid Dg No. E.S.4

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

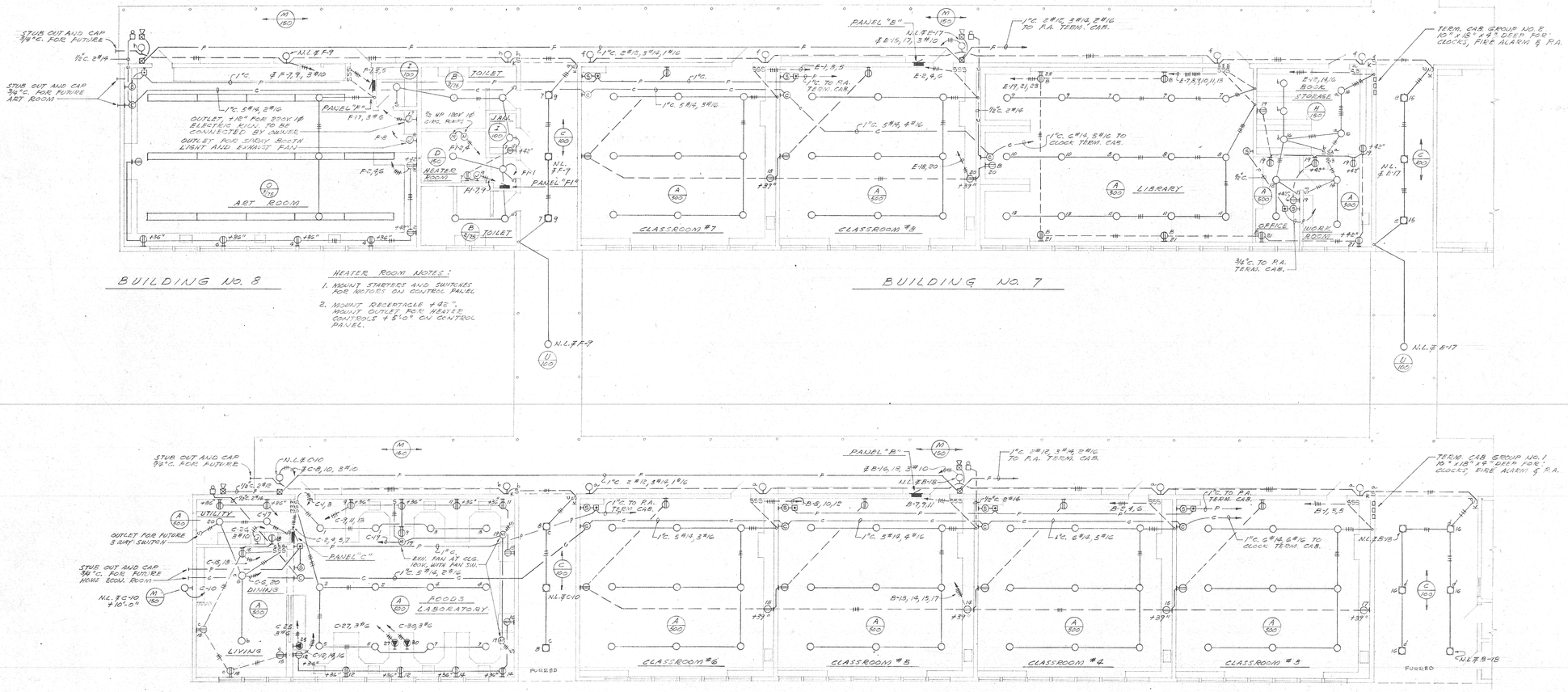
FILE 52-10-X

DATE 6/23/53

SHEET 42.

OF 43 SHEETS

CLYDE E. BENTLEY
CONSULTING ENGINEER
104 17TH ST. OAKLAND 12
TEL. 16 9 5
6/23/53 JJB & CEB



BOARD OF TRUSTEES

SUPERINTENDENT OF SCHOOLS

ASSOCIATED ARCHITECTS
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CONFER & WILLIS
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2800 PARK BOULEVARD, OAKLAND 10, CALIF.
ARCHITECT

ENGINEER

ELECTRICAL
BLDG. NO. 6-7-8-9

AMBROSE INTERMEDIATE SCHOOL

MT. DIABLO UNIFIED SCHOOL DISTRICT
CONTRA COSTA COUNTY, CALIFORNIA

FILE B-Z-104X

DATE 01/23/53

CLYDE E. BENTLEY
CONSULTING ENGINEER
204-17th ST.
OAKLAND 12

SHEET 43.

OF 43 SHEETS

MT. DIABLO UNIFIED SCHOOL DISTRICT

CONCORD, CALIFORNIA

KINDERGARTEN CONVERSION

RIO VISTA SCHOOL

WEST PITTSBURG, CALIFORNIA

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
49778 MAR 25 '88
APPLICATION NO. Per
STRUCTURAL STRUCTURAL ENGINEER

Richardson Voinovich, Inc.
Architecture, Planning & Management

CAPITAL ENGINEERING CONSULTANTS
TOFT WOLFF FARROW

MECHANICAL
ELECTRICAL

Pleasant Hill, California (415) 946-9966

REGISTERED ARCHITECT
WILLIAM RICHARDSON
No. 4107
JAN 04 1988
Date
STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The
Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	2/24/88

REVISIONS

TITLE/DESCRIPTION :
COVER SHEET

SCALE : NO SCALE
DATE : JAN. 4 1988
DRAWN : CHECKED : JSD
JOB NO. : 2191

DRAWING NO. :
A 0.1

MATERIALS U.O.N.

- EARTH
- ROCK FILL
- SAND/MORTAR/PLASTER
- CONCRETE CAST IN PLACE OR PRECAST
- BRICK
- CONCRETE BLOCK
- STONE INCLUDES MARBLE
- METAL OMIT INDICATION IN THIN MATERIAL
- METAL LATH
- WOOD, FINISH
- WOOD, FRAMING THROUGH MEMBER
- WOOD, FRAMING INTERRUPTED MEMBER
- PLYWOOD
- GLASS OMIT INDICATION IN THIN MATERIAL
- ACCOUSTIC TILE OR BOARD
- GYPSUM BOARD OMIT DOUBLE LINES AT SMALL SCALE
- INSULATION, BATT
- INSULATION, RIGID

SYMBOLS U.O.N.

- A2.1 — DRAWING NUMBER, GROUP NUMBER, DISCIPINE PREFIX
- A / 1 — COLUMN LINE; LETTERS IN ONE DIRECTION, NUMBERS IN THE OTHER DIRECTION
- 1440 — GRID LINES FOR SURVEYOR'S GRID, MODULE GRID, ETC.
- J / D — DOOR MARK; HARDWARE GROUP
- 3 — WINDOW TYPE
- C — LOUVER TYPE, SKIP LETTERS "I" AND "O"
- (354) — EQUIPMENT NUMBER
- 3 — REVISION CLOUD AROUND REVISION OPTIONAL
- MATCH LINE, SHADED PORTION IS THE SIDE CONSIDERED.
- COORDINATE POINT, WORK POINT, CONTROL POINT OR DATUM POINT
- 3 / A2 — BUILDING SECTION, SECTION IDENTIFICATION, SHEET WHERE SECTION IS DRAWN.
- 4 / A8 — DETAIL, DETAIL IDENTIFICATION, SHEET WHERE DETAIL IS DRAWN.
- 2 / A1 — INTERIOR ELEVATION(S), ELEVATION IDENTIFICATION (UNFOLD ELEVATIONS CLOCKWISE, NO ARROWS MEANS ELEVATION NOT SHOWN.) SHEET WHERE ELEVATION IS DRAWN
- OFFICE / A122 / 1'-1 5/8" / 9'-0" — ROOM IDENTIFICATION, ROOM NAME, ROOM NO., ROOM MATERIAL CODES SEE SCHEDULE, CEILING HEIGHT
- 5 / A3 — WALL SECTION, SECTION IDENTIFICATION, SHEET WHERE SECTION IS DRAWN
- 78.0 — NEW FINISH GRADE DRAWN @ 45°
- EXISTING GRADE SHOWN HORIZONTALLY
- PROPERTY LINE
- NEW OR FINISHED CONTOURS
- EXISTING CONTOURS
- TW 19.0 — TOP OF WALL
- TC 18.0 — TOP OF CURB
- TP 19.4 — TOP OF PAVEMENT
- INTERIOR GLAZED PARTITION
- GLAZED PASS-THRU
- MOVABLE PARTITION
- FOLDING PARTITION
- TYP. FURRING
- TYP. PARTITION
- ONE HOUR PARTITION
- TWO HOUR PARTITION
- SOUND TREATED PARTITION
- LEAD LINED PARTITION
- P.T.S. — PNEUMATIC TUBE STATION
- F.H.C. — FIRE HOSE CABINET
- F.E.C. — FIRE EXTINGUISHER CABINET
- F.E. — FIRE EXTINGUISHER
- E.P.B. T.P.B. — ELECTRICAL OR TELEPHONE PANEL BOARD
- E.W.C. — ELECTRIC WATER COOLER
- D.S.P. — DRY STANDPIPE
- W | S2 — WALL HUNG CABINETS OR SHELVES
- CT1 — COUNTER TOP
- N.I.C. — OWNER FURNISHED ITEMS (NOT IN CONTRACT)
- LIMIT OF WORK
- CHAIN LINK FENCE
- D.P.H. — LIMIT OF WORK WITH DUSTPROOF BARRICADE
- ALTERNATE
- CORNER GUARD
- EDGE GUARD
- ACCESS PANEL
- C.T., D.T., I.V. — CUBICLE, DRAPERY OR INTRAVENOUS TRACKS
- DIMENSION LINES
- CENTERLINE OF COLUMN OR STUD
- FACE OF STUD
- F.O.C. — FACE OF CONCRETE
- F.O.F. — FACE OF FINISH
- CLEAR — FIN. FACE TO FIN. FACE
- PLUMBING OR PIPE CHASE WALL (FACE OF STUD U.O.N.)
- CENTERLINE OF OPENING
- CENTERLINE OF OPENING
- SPEAKER
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- DIFFUSERS, SUPPLY
- REGISTER, EXHAUST OR RETURN
- SPRINKLER HEAD
- SPRINKLER HEAD (EXISTING)
- CEILING ACCESS PANEL
- 1 — AREAS WHERE WORK IS TO BE DONE

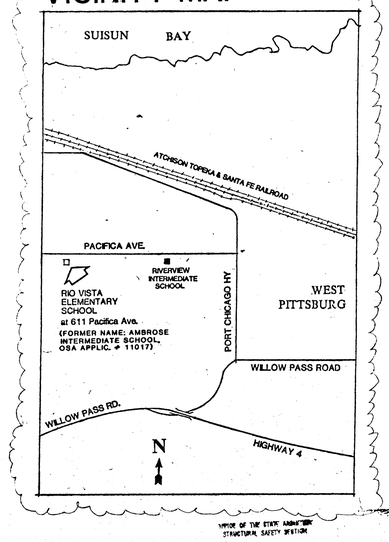
ABBREVIATION U.O.N.

&	And
∠	Angle
@	At
℄	Centerline
ϕ	Diameter or Round
⊥	Perpendicular
#	Pound or Number
(E)	Existing
ACOUS.	Acoustical
A.D.	Area Drain
ADJ.	Adjustable
AGGR.	Aggregate
AL.	Aluminum
APPROX.	Approximate
ARCH.	Architectural
ASB.	Asbestos
ASPH.	Asphalt
BD.	Board
BITUM.	Bituminous
BLDG.	Building
BLK.	Block
BLKG.	Blocking
BM.	Beam
BOT.	Bottom
CAB.	Cabinet
C.B.	Catch Basin
CEM.	Cement
CER.	Ceramic
C.I.	Cast Iron
CLG.	Ceiling
CLKG.	Caulking
CLO.	Closet
CLR.	Clear
COL.	Column
CONC.	Concrete
CONN.	Connection
CONSTR.	Construction
CONT.	Continuous
CORR.	Corridor
CTSK.	Countersunk
CNTR.	Counter
CTR.	Center
DBL.	Double
DEPT.	Department
D.F.	Drinking Fountain
DET.	Detail
DIA.	Diameter
DIM.	Dimension
DISP.	Dispenser
DN.	Down
D.O.	Door Opening
DR.	Door
DWR.	Drawer
DS.	Downspout
D.S.P.	Dry Standpipe
DWG.	Drawing
E.	East
EA.	Each
E.J.	Expansion Joint
EL.	Elevation
ELEC.	Electrical
ELEV.	Elevator
EMER.	Emergency
ENCL.	Enclosure
E.P.	Electrical Panelboard
EQ.	Equal
EQPT.	Equipment
E.W.C.	Electric Water Cooler
EXST.	Existing
EXPD.	Exposed
EXP.	Expansion
EXT.	Exterior
F.A.	Fire Alarm
F.B.	Flat Bar
F.D.	Floor Drain
FDN.	Foundation
F.E.	Fire Extinguisher
F.E.C.	Fire Extinguisher Cab.
F.H.C.	Fire Hose Cabinet
FIN.	Finish
FL.	Floor
FLASH.	Flashing
FLUOR.	Fluorescent
F.O.C.	Face of Concrete
F.O.F.	Face of Finish
F.O.S.	Face of Studs
FPRF.	Fireproof
F.S.	Full Size
FT.	Foot or Feet
FTG*	Footing
FURR.	Furring
FUT.	Future
F.H.	Full Height
GA.	Gauge
GALV.	Galvanized
G.B.	Grab Bar
GL.	Glass
GND.	Ground
GR.	Grade
GYP.	Gypsum
H.B.	Hose Bibb
H.C.	Hollow Core
HDWD.	Hardwood
HDWE.	Hardware
H.M.	Hollow Metal
HORIZ.	Horizontal
HR.	Hour
HGT.	Height
I.D.	Inside Diameter (Dim.)
INSUL.	Insulation
INT.	Interior
JAN.	Janitor
JT.	Joint
KIT.	Kitchen
LAB.	Laboratory
LAM.	Laminate
LAV.	Lavatory
LKR.	Locker
LT.	Light
MAX.	Maximum
M.C.	Medicine Cabinet
MECH.	Mechanical
MEMB.	Membrane
MET.	Metal
MFR.	Manufacturer
MH.	Manhole
MIN.	Minimum
MIR.	Mirror
MISC.	Miscellaneous
M.O.	Masonry Opening
MTD.	Mounted
MUL.	Mullion
N.	North
N.I.C.	Not In Contract
NO. or #	Number
NOM.	Nominal
N.T.S.	Not To Scale
N.S.	No Scale
O.A.	Overall
OBS.	Obscure
O.C.	On Center
O.D.	Outside Diameter Dim.
OFF.	Office
OPNG.	Opening
OPP.	Opposite
PRCST	Pre cast
PL.	Plate
P.LAM.	Plastic Laminate
PLAS.	Plaster
PLYWD.	Plywood
PR.	Pair
PT.	Point
P.T.D.	Paper Towel Dispenser
P.T.D/R	Combination Paper Towel Dispenser & Receptacle
PTN.	Partition
P.T.R.	Paper Towel Receptacle
Q.T.	Quarry Tile
R.	Riser
RAD.	Radius
R.D.	Roof Drain
REF.	Reference
REFR.	Refrigerator
RGTR.	Register
REINF.	Reinforced
REQ.	Required
RESIL.	Resilient
RM.	Room
R.O.	Rough Opening
RWD.	Redwood
R.W.L.	Rain Water Leader
S.	South
S.C.	Solid Core
S.C.D.	Seat Cover Dispenser
SCHED.	Schedule
S.D.	Soap Dispenser
SECT.	Section
SH.	Shelf
SHR.	Shower
SHT.	Sheet
SIM.	Similar
S.N.D.	Sanitary Napkin Dispenser
S.N.R.	Sanitary Napkin Receptacle
SPEC.	Specification
SQ.	Square
SST.	Stainless Steel
S.SK.	Service Sink
STA.	Station
STD.	Standard
STL.	Steel
STOR.	Storage
STRL.	Structural
SUSP.	Suspended
SYM.	Symmetrical
TRD.	Tread
T.B.	Towel Bar
T.C.	Top of Curb
TEL.	Telephone
TER.	Terrazzo
T.&G.	Tongue and Groove
THK.	Thick
T.P.	Top of Pavement
T.P.D.	Toilet Paper Dispenser
T.V.	Television
T.W.	Top of Wall
TYP.	Typical
UNF.	Unfinished
U.O.N.	Unless Otherwise Noted
UR.	Urinal
V.C.T.	Vinyl Composition Tile
VERT.	Vertical
VEST.	Vestibule
VENT	VENTILATOR
W.	West
W/	With
W.C.	Water Closet
WD.	Wood
W/O	Without
WP.	Waterproof
WSCT.	Wainscot
WT.	Weight

DRAWING INDEX

A 0.1	COVER SHEET
A 0.2	SYMBOLS & ABBREVIATIONS & DRAWING INDEX
A 1.0	SITE PLAN
A 2.1	FLOOR PLANS/SCHEDULES
A 3.1	CABINET SECTIONS & DETAILS
A 5.1	INTERIOR ELEVATIONS
A 6.1	REFLECTED CEILING PLANS
S-1	GENERAL NOTES & TYPICAL DETAILS
M-1	PLUMBING PLANS & HVAC PLANS
E-1	ELECTRICAL SYMBOLS & SCHEDULES
E-2	ELECTRICAL DEMOLITION PLANS & NOTES
E-3	ELECTRICAL PLANS, SITE PLANS & NOTES
E-4	ELECTRICAL SPECIFICATIONS SECTION 16050

VICINITY MAP



OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
49778 MAR 25 '88
For J.T. Wong

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
49778 MAR 22 '88
APPLICATION NO. W. See below
NO. 15K

Richardson Voinovich, Inc.
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CAPITAL ENGINEERING CONSULTANTS — MECHANICAL, ELECTRICAL
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REGISTERED ARCHITECT — R. RICHARDSON — C5907 — Date: MAR 15 '88 — STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The Mt. Diablo Unified School District

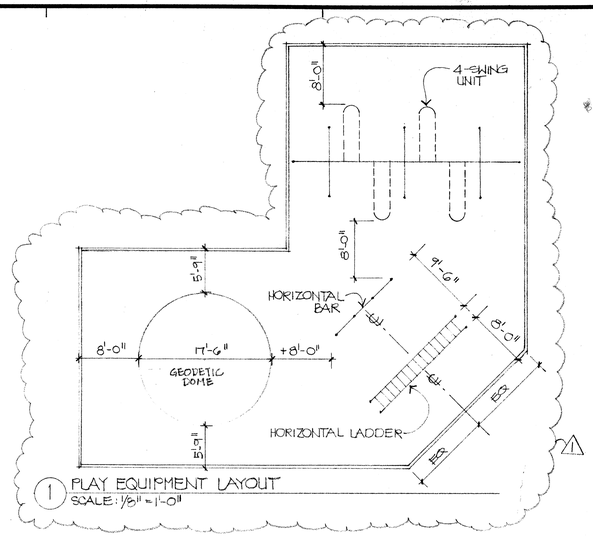
NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	3/24/88

REVISIONS

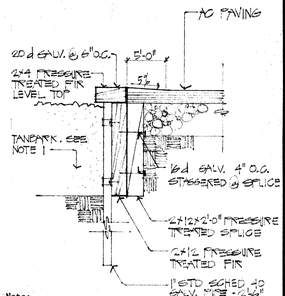
TITLE/DESCRIPTION :
SYMBOLS & ABBREVIATIONS DRAWING INDEX VICINITY MAP

SCALE : N.S.
DATE : JAN. 1988
DRAWN : CHECKED : GDP
JOB NO. : 2191

DRAWING NO. :
A 0.2

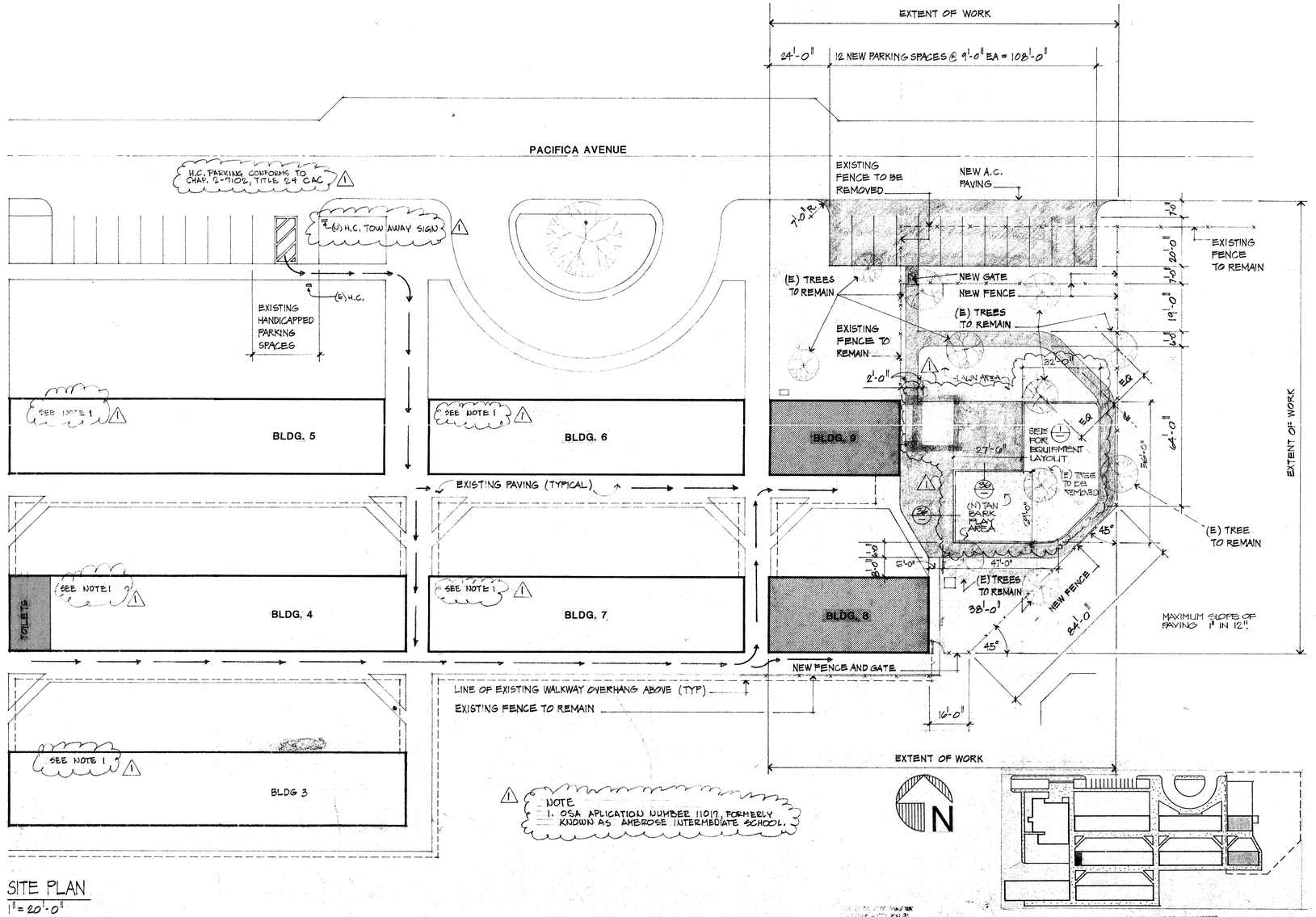


1 PLAY EQUIPMENT LAYOUT
SCALE: 1/8" = 1'-0"



Note:
Pea pebble bark consisting of at least 98% bark must contain less than 2% wood. Size to be 1/2" x 1/4" (no wood chips or particles to exceed the indicated bark size) Must not contain Douglas Fir or Red Fir (silver tip). Material must not be treated or contain any additives. Bark must not stain clothes when wet.

5B PAVING EDGE 1½"=1'-0"



SITE PLAN
1" = 20'-0"

KEY PLAN
NO SCALE

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE & REVIEW
49778 MAR 22 '88

Richardson Voinovich, Inc.
Architecture, Planning & Management

CAPITAL ENGINEERING CONSULTANTS — MECHANICAL
TOFT WOLFF FARROW — ELECTRICAL

Pleasant Hill, California (415) 946-9966

REGISTERED ARCHITECT
DAVID R. RICHARDSON
C5807
JAN 04 1988
STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION

Rio Vista School
West Pittsburg, California

For The
Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	3/24/88

REVISIONS

TITLE/DESCRIPTION:
SITE PLAN

SCALE: AS SHOWN
DATE: JAN. 4, 1988
DRAWN: NH/ET CHECKED: GBD
JOB NO.: 2191

DRAWING NO.:
A 1.0

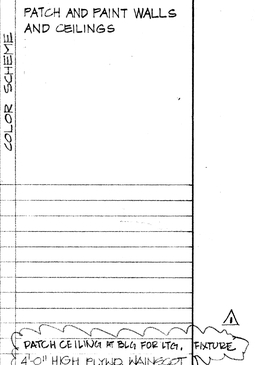
ROOM FINISH SCHEDULE

LOCATION	ROOM NUMBER	ROOM NAME	FLOORS MATERIALS 1 CONCRETE	2 VINYL COMP TILE	3 CERAMIC TILE	4 CARPET (NIC)	5	6	BASES MATERIALS 1 WOOD (RESILIENT)	2 CERAMIC TILE	3 CARPET (VINYL)	4	5	6	WAINSCOT MATERIALS 1 ½" D.F. PLYWOOD	2 CERAMIC TILE	3	4	5	6	WALLS MATERIALS 1	2 GYPSUM BOARD PAINT	3 VINYL W.C.	4	5	6	CEILINGS MATERIALS 1 EXPOSED WOOD	2	3 ACOUSTICAL TILE	4 GYPSUM BOARD PAINT	5	6	COLOR SCHEME	REMARKS
BLDG 8	801	CLASSROOM	●			●			●		●											●	●						●		●			PATCH AND PAINT WALLS AND CEILINGS
	802	STORAGE	●						●													●	●						●		●			
	803	BOYS' TOILET			●											●						●	●							●	●			
	804	GIRLS' TOILET			●											●						●	●							●	●			
BUILDING 9	901	CLASSROOM	●			●			●		●											●	●						●		●			
	902	QUIET ROOM				●					●											●	●						●		●			
	903	GIRLS' TOILET			●											●						●	●							●	●			
	904	BOYS' TOILET			●											●						●	●							●	●			
	905	UTILITY	●						●													●	●							●	●			
	906	YARD STORAGE	●						●						●							●					●							

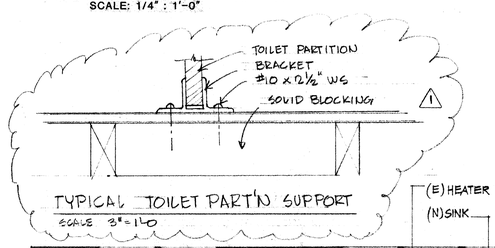
PATCH CEILING AT BLG FOR LTG. FIXTURE
4'-0" HIGH PLYWD WAINSCOT

DOOR, FRAME & HARDWARE SCHEDULE

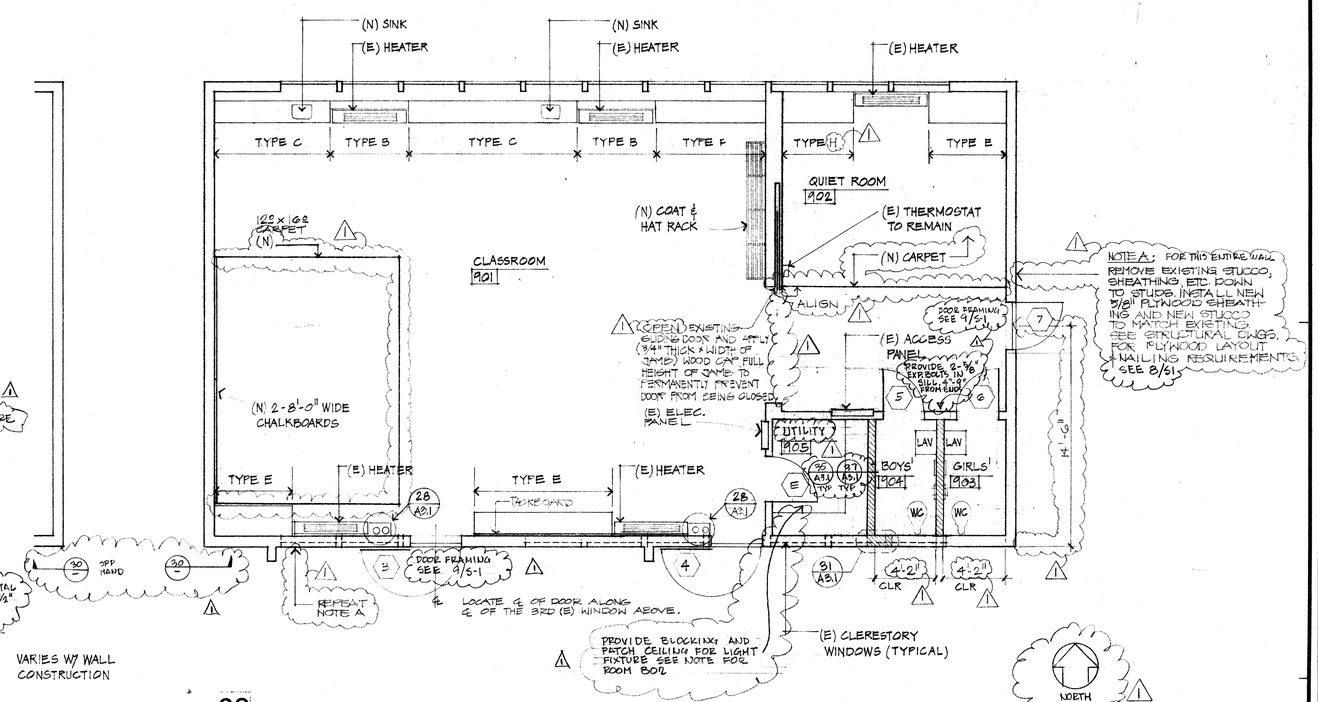
LOCATION	MARK	FROM	TO	SIZE	TYPE	MATERIAL	GLASS	FIRE RATING	FRAMES TYPE	MATERIAL	REMARKS
		DOORS									ALL DOORS 1¾" THICK
BLDG 8	1	801	803	3'-0" x 7'-0"	F	SC			TYP	HM	
	2	801	804	3'-0" x 7'-0"	F	SC			TYP	HM	
BUILDING 9	3	901	EXT.	3'-4" x 7'-0"	F	SC	WG	B	TYP	HM	GLASS SIZE TO MATCH EXISTING
	4	901	EXT.	3'-0" x 7'-0"							EXISTING DOOR NEW HARDWARE ONLY
	5	902	904	3'-0" x 7'-0"	F	SC			TYP	HM	
	6	902	903	3'-0" x 7'-0"	F	SC			TYP	HM	
	7	902	EXT. 906	3'-0" x 7'-0"	F	SC	WG	B	TYP	HM	GLASS SIZE TO MATCH EXISTING



TYPICAL DOOR JAMB (HEAD SIMILAR)
SCALE: 3" = 1'-0"



TYPICAL TOILET PART'N SUPPORT
SCALE 3" = 1'-0"



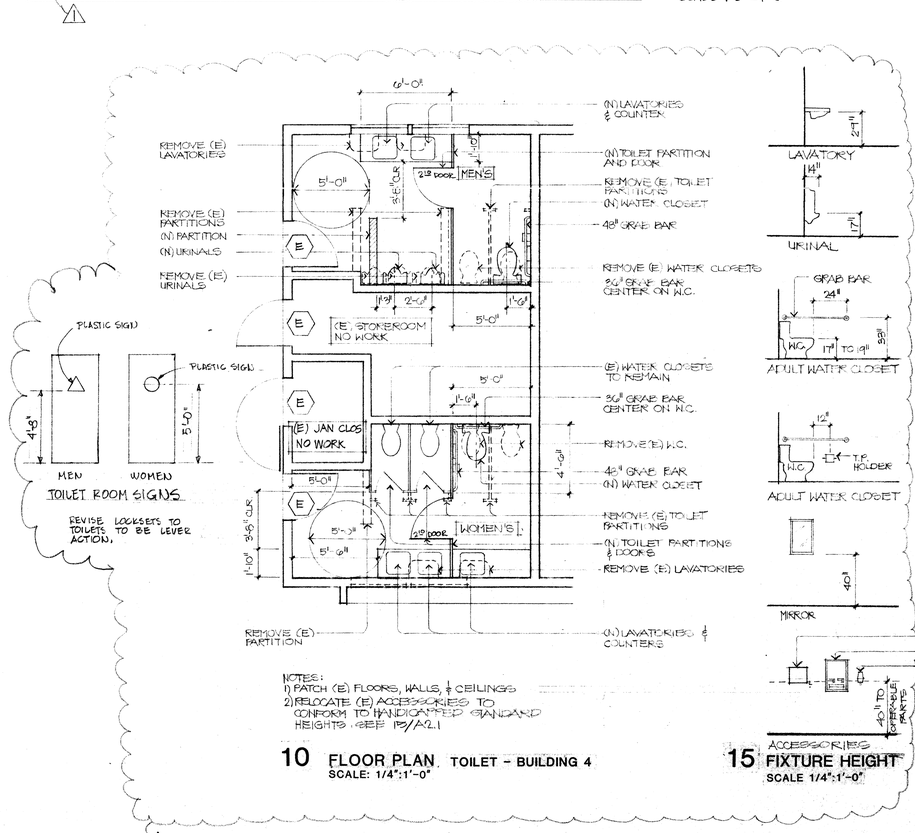
22 FLOOR PLAN BUILDING 9
SCALE: 1/4" : 1'-0"

LEGEND

NEW PARTITION : 2X4 STUDS @ 16" OC. W/ 1-LAYER ⅝" GYP. BD. EACH SIDE. ATTACH TO CONC. FLOOR SLAB AND ROOF FRAMING SEE DETAILS 29, 30, 37 / A2.1

E EXISTING DOOR TO REMAIN

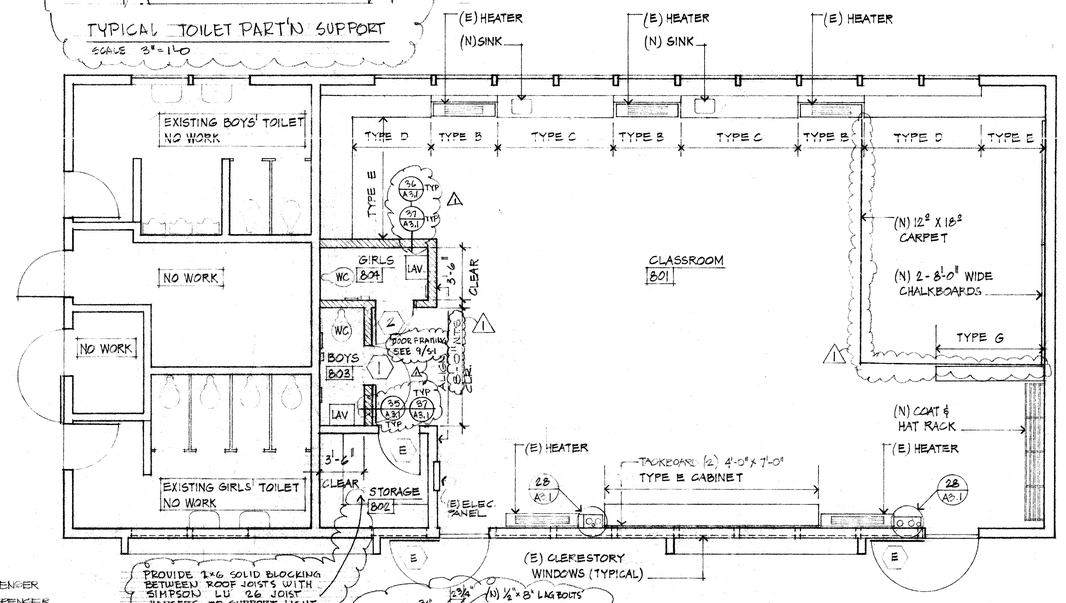
EXISTING PARTITION



NOTES:
1) PATCH (E) FLOORS, WALLS, & CEILINGS
2) RELOCATE (E) ACCESSORIES TO CONFORM TO HANDICAPPED STANDARD HEIGHTS. SEE 15/A2.1

10 FLOOR PLAN TOILET - BUILDING 4
SCALE: 1/4":1'-0"

15 ACCESSORIES FIXTURE HEIGHT
SCALE 1/4":1'-0"



30 TIE DETAIL AT CORRIDOR BETWEEN BLDGS. 6 & 9
NO SCALE

25 FLOOR PLAN BUILDING 8
SCALE: 1/4" : 1'-0"

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REGISTERED ARCHITECT R. RICHARDSON C 7407 RENEWAL JAN 31, 1990 STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	4/26/88

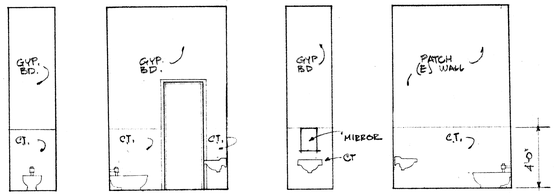
REVISIONS

TITLE/DESCRIPTION :
FLOOR PLANS, ROOM FINISH SCHEDULE, & DOOR, FRAME & HARDWARE SCHEDULE

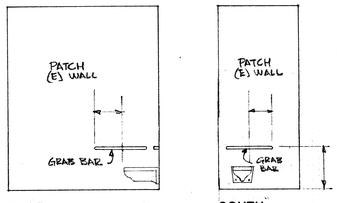
SCALE : AS SHOWN
DATE : JAN 4, 1988
DRAWN : EL, LIH CHECKED : CBD
JOB NO. : 219

DRAWING NO. :
A 2.1

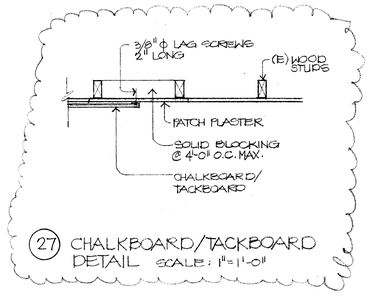
OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
49778 MAR 25 88
49778 MAR 22 88



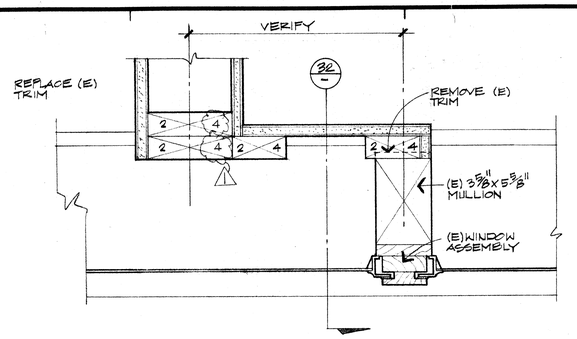
(17) BOY'S TOILET ROOM 803
SCALE 1/4"=1'-0"



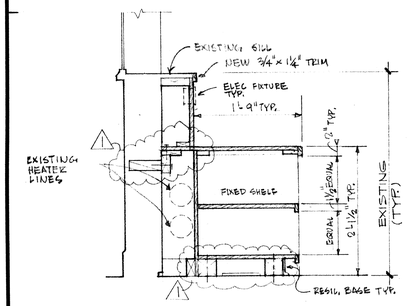
(15) MEN'S HANDICAP TOILET BLDG 4
SCALE 1/4"=1'-0"



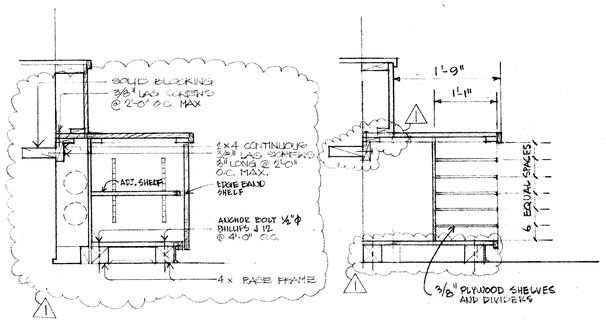
(27) CHALKBOARD/TACKBOARD DETAIL SCALE: 1"=1'-0"



(31) WINDOW MULLION
SCALE: 3"=1'-0"

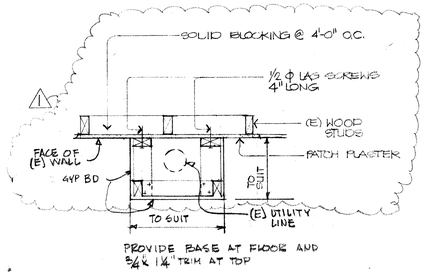


(2) TYPE A CABINET
SCALE: 1"=1'-0"

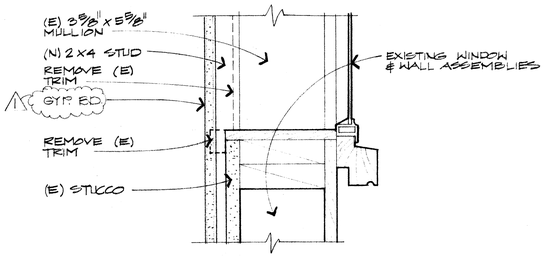


(7) TYPE C CABINET
SCALE: 1"=1'-0"

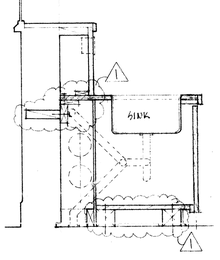
(18) TYPE F CABINET
SCALE 1"=1'-0"



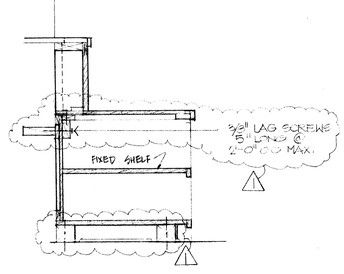
(28) UTILITY LINE ENCLOSURE
SCALE 1"=1'-0"



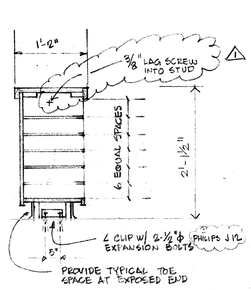
(32) WINDOW SILL
SCALE: 3"=1'-0"



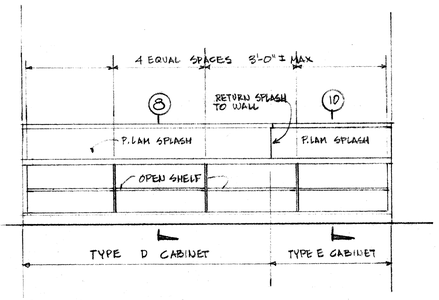
(3) TYPE C CABINET AT SINK
SCALE: 1"=1'-0"



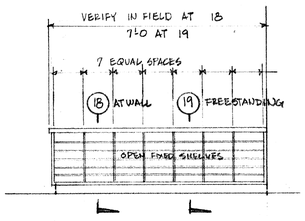
(8) TYPE D CABINET
SCALE: 1"=1'-0"

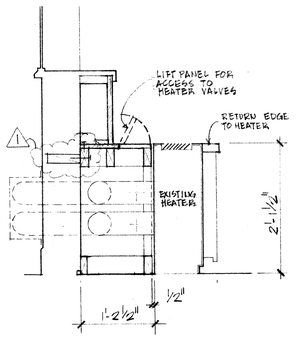


(19) TYPE G CABINET
SCALE 1"=1'-0"



(29) TYPE D & E CABINETS
SCALE 1/2"=1'-0"





(5) TYPE B CABINET
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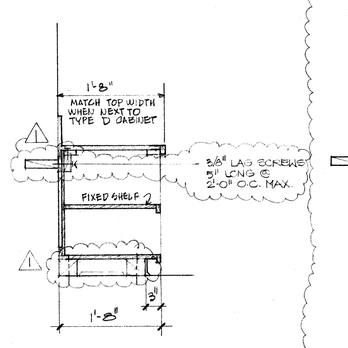

(10) TYPE E CABINET
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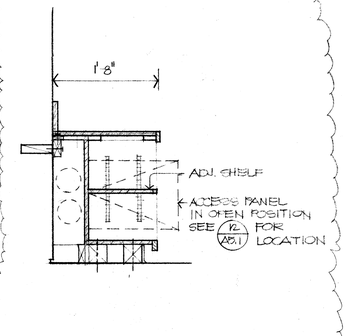

(20) TYPE H CABINET
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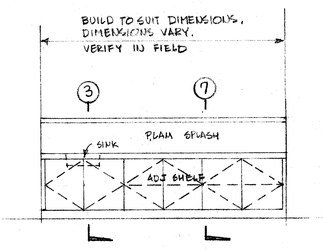
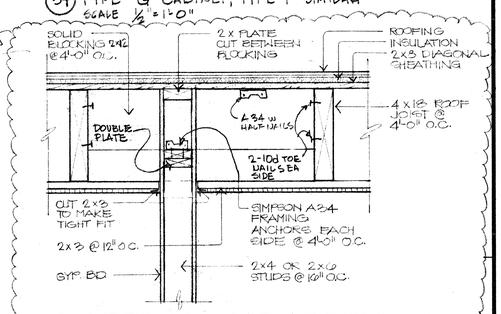
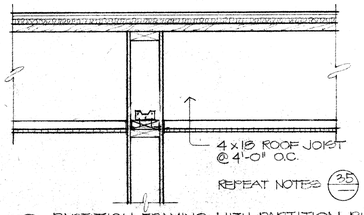


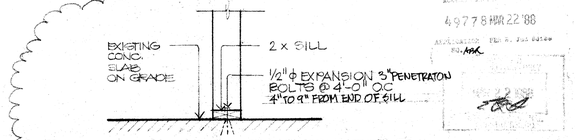
(30) TYPE C CABINET
SCALE 1/2"=1'-0"



(35) PARTITION FRAMING WITH PARTITION RUNNING PARALLEL TO JOISTS. SCALE: 1"=1'-0"



(36) PARTITION FRAMING WITH PARTITION RUNNING PERPENDICULAR TO JOISTS SCALE: 1"=1'-0"



(37) SILL-CONCRETE SLAB CONNECTION AT INTERIOR PARTITION SCALE: 1"=1'-0"

NOTE: SEE (7/—) FOR NOTES ON TYP ANCHORAGE FOR CABINETS, U.O.N.

4978 MAR 22 '88

Richardson Voinovich, Inc.
Architecture, Planning & Management
CAPITAL ENGINEERING CONSULTANTS MECHANICAL
TOFT WOLFE FARROW ELECTRICAL
Pleasant Hill, California (415) 946-9966

REGISTERED ARCHITECT R. RICHARDSON C-9407 JAN 31 1986 Date STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The Mt. Diablo Unified School District

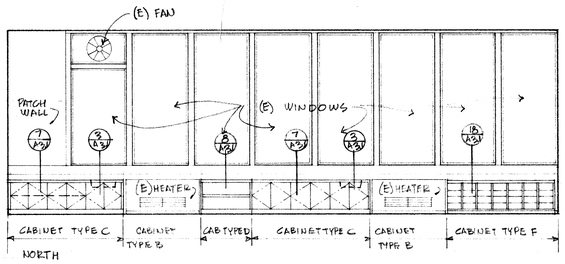
NO.	DESCRIPTION	DATE
1	ADDENDUM NO.2	2/26/88

REVISIONS

TITLE/DESCRIPTION:
CABINETRY SECTIONS & DETAILS

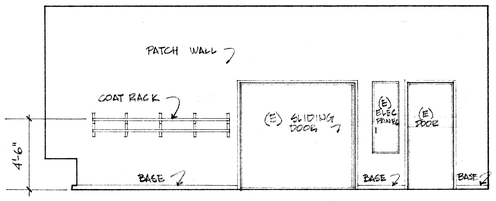
SCALE: AS SHOWN
DATE: JAN.4,1988
DRAWN: EI, CBL CHECKED: CBD
JOB NO.: 2191

DRAWING NO.:
A 3.1

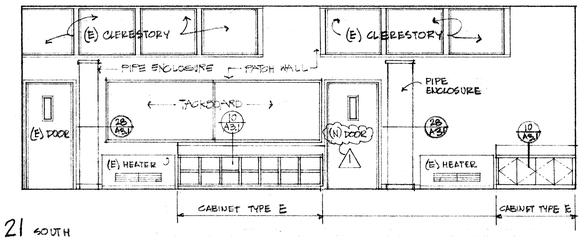


1 NORTH

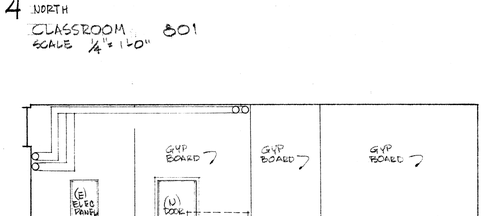
CLASSROOM 901
SCALE 1/4"=1'-0"



11 EAST

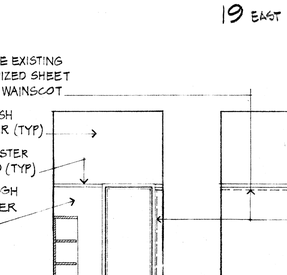


21 SOUTH



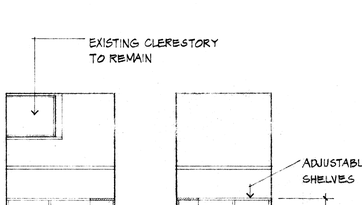
2 WEST

CLASSROOM 901
SCALE 1/4"=1'-0"

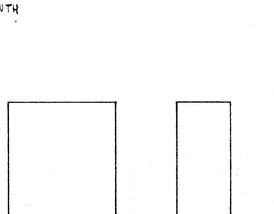


12 NORTH

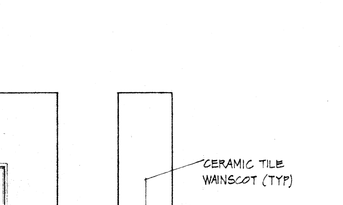
QUIET ROOM 902
SCALE 1/4"=1'-0"



17 EAST



27 SOUTH



32 WEST

3 NORTH

8 EAST

8A SOUTH

13 WEST

STORE ROOM 905
SCALE 1/4"=1'-0"

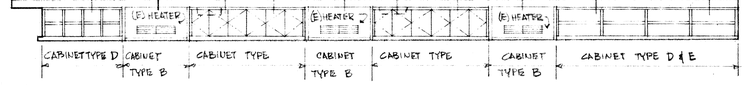
18 NORTH 18A EAST 23 SOUTH

BOYS TOILET 904 - GIRLS SIMILAR
SCALE 1/4"=1'-0"

28 SOUTH

WOMEN'S RESTROOM - BUILDING 4

NOTE:
1. WHERE "PATCH WALLS" OR "PATCH CEILING" IS SHOWN, PROVIDE FURRING, STRIPPING, PLASTER, GYP BOARD OR WHATEVER MATERIAL IS NECESSARY TO RESULT IN A SMOOTH, TRUE LIKE NEW SURFACE.
2. IF THE PATCHED WALL REQUIRES NEW TRIM AT DOORS OR WINDOWS, PROVIDE IT.

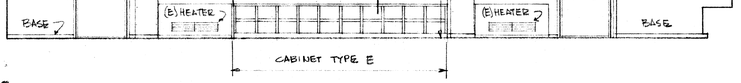


4 NORTH

CLASSROOM 801
SCALE 1/4"=1'-0"



19 EAST



29 SOUTH

5 WEST

CLASSROOM 801
SCALE 1/4"=1'-0"

15 NORTH 20 EAST 20A SOUTH 25 WEST

STORAGE 802
SCALE: 1/4"=1'-0"

30 NORTH 30A EAST 35 SOUTH 40 WEST

GIRL'S TOILET ROOM 804
SCALE: 1/4"=1'-0"

THE STATE ARCHITECT HAS APPROVED THIS PLAN AS NOTED ON THE APPROVAL LETTER DATED MAR 25 '88 FOR PUBLIC SCHOOL CONSTRUCTION. APPLICATION NO. 49778

OFFICE OF THE STATE ARCHITECT APPROVED CONSTRUCTION PLANS APR 22 '88 APPLICATION NO. 49778

Richardson Voinovich, Inc.
Architecture, Planning & Management
CAPITAL ENGINEERING CONSULTANTS MECHANICAL
TOFT WOLFF FARROW ELECTRICAL
Pleasant Hill, California (415) 946-9966

REGISTERED ARCHITECT
C. R. RICHARDSON
C-9107
JAN 04 1988
Date
STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION

Rio Vista School
West Pittsburg, California

For The
Mt. Diablo Unified School District

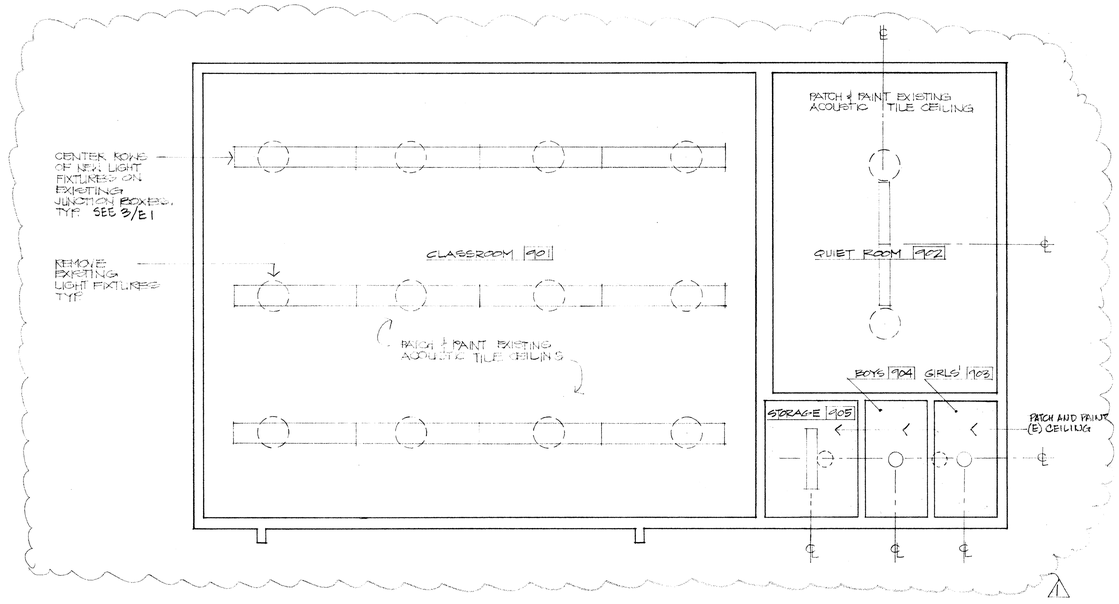
NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	2/24/88

REVISIONS

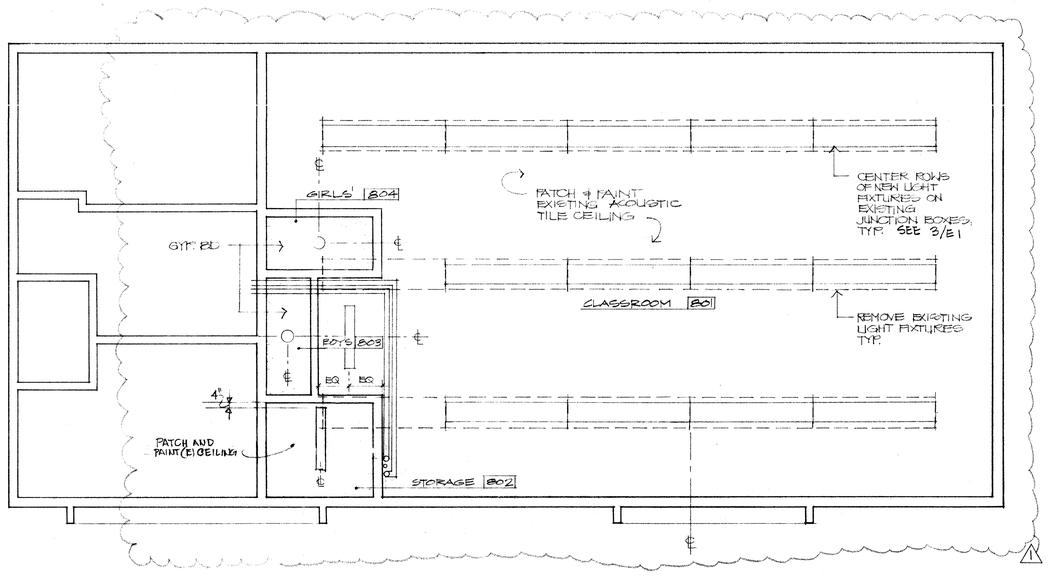
TITLE/DESCRIPTION :
INTERIOR ELEVATIONS

SCALE : 1/4" : 1'-0"
DATE : JAN. 4, 1988
DRAWN : ET, DH CHECKED : CBD
JOB NO. : 2191

DRAWING NO. :
A 5.1



22 REFLECTED CEILING PLAN **BUILDING 9**
SCALE: 1/4": 1'-0"



25 REFLECTED CEILING PLAN **BUILDING 8**
SCALE: 1/4": 1'-0"

STATE OF THE STATE AGENCY
STRUCTURAL SAFETY SECTION
49778 MAR 25 '88
For
APPLICATION

OFFICE OF THE STATE ARCHITECT
49778 MAR 22 '88
APPLICATION, PER C. Tab Bulletin
NO. None

Richardson Voinovich, Inc.
Architecture, Planning & Management
CAPITAL ENGINEERING CONSULTANTS
TOFT WOLFF FARROW
MECHANICAL
ELECTRICAL
Pleasant Hill, California (415) 946-9966

REGISTERED ARCHITECT
R. RICHARDSON
C5907
JAN 04 1988
Date
STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION

Rio Vista School
West Pittsburg, California

For The
Mt. Diablo Unified School District

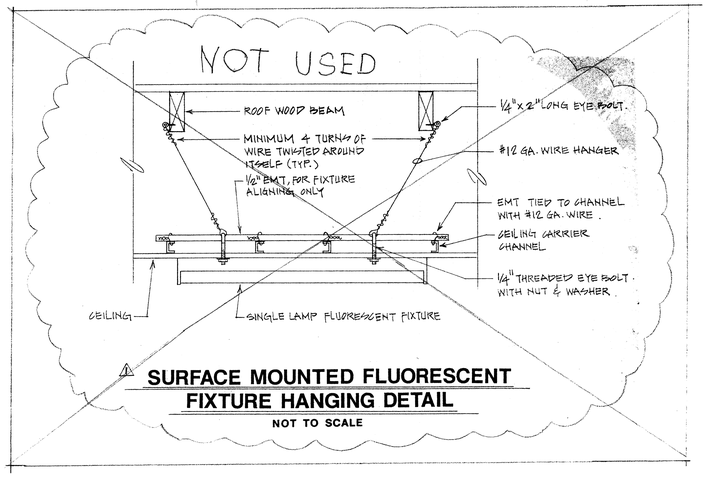
NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	1/26/88

REVISIONS

TITLE/DESCRIPTION :
REFLECTED CEILING PLANS

SCALE : 1/4" : 1'-0"
DATE : JAN. 4, 1988
DRAWN : ET, NH CHECKED : OED
JOB NO. : 2191

DRAWING NO. :
A 6.1



SURFACE MOUNTED FLUORESCENT FIXTURE HANGING DETAIL

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES, FIXTURE MANUFACTURER'S INSTALLATION DETAILS FOR MOUNTING ACCESSORIES AND APPLICABLE CODES FOR REQUIRED FIXTURE SUPPORTS.

TYPE	DESCRIPTION	CATALOG NUMBER	MOUNTING	VOLTAGE	LAMPS	REMARKS
A 160	16 1/4" W. x 8' 2-LAMP (IN TANDEM) FLUORESCENT WRAPAROUND W/ACRYLIC PRISMATIC LENS, PENDANT MOUNTED	WELLMADE #103-SHA-248-2RS WITH # CS-100	AIRCRAFT CABLE +9'-0" AFF TO BOTTOM OF FIXT.	120 V	4-F40 LW/RS WM II	PENDANT HANGERS @ 4'-0" CENTERS. LAMPS TO BE TANDEM WIRED FOR DUAL SWITCHING. ⚠1
B 80	4' 2-LAMP FLUORESCENT FIXTURE WITH WHITE SPAL ACRYLIC DIFFUSER.	WELLMADE #1042A-248RS HPF	SURFACE		2-F40 LW/RS WM II	⚠1
C 75	10" ROUND INCANDESCENT DRUM FIXTURE WITH WHITE OPAL GLASS.	PRESCOLITE #9401			1-75 W "A"	
D 80	SAME AS TYPE "A" FIXTURE EXCEPT 4', LAMP.	WELLMADE #103-SHA-248-2RS WITH # CS-100	AIRCRAFT CABLE +9'-0" AFF TO BOTTOM OF FIXT.		2-F40 LW/RS WM II	TWO PENDANT HANGERS REQUIRED. ⚠1
E	DELETED.					
F 188	HIGH PRESSURE SODIUM LIGHTING FIXT. W/POLYCARB. HOUSING & LENS (VANDAL RESISTANT) & PHOTO CONTROL	HUBBELL # PVL-0150S-111-PBT-1	WALL AS HIGH AS POSSIBLE	120 V.	1-150W. CLEAR H.P.S.	

LIGHTING FIXTURE NOTES:

⚠1 ALL FLORESCENT LIGHTING DIFFUSERS SHALL COMPLY WITH U.B.C. (1979) CHAPTER 42 PER SECTION 3209.

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
———	CONCEALED CONDUIT IN CEILING OR IN WALL.
— - —	CONCEALED CONDUIT IN FLOOR OR BELOW GRADE.
– – – –	EXPOSED CONDUIT, U.O.N.
EX	EXISTING CONDUIT TO REMAIN. REMOVE EXISTING CONDUCTORS, U.O.N.
~~XXXX~~	EXISTING CONDUIT TO BE ABANDONED AND CAPPED. REMOVE ALL EXISTING CONDUCTORS.
——o	CONDUIT TURNING UP
——●	CONDUIT TURNING DOWN
///	HASH MARKS INDICATE QUANTITY OF #12 WIRES IN CONDUIT; EXCEPT NO HASH MARKS DESIGNATE 2 #12. OTHER CONDUIT AND WIRE AS INDICATED.
A.I.37 ~~///~~	HOMERUN TO PANEL "A", CIRCUITS #1 & 3.
▭	FLUORESCENT LIGHTING FIXTURE.
O	INCANDESCENT LIGHTING FIXTURE, CEILING MOUNTED.
A 160/3	LIGHTING FIXTURE TYPE "A", 160 WATTS; SEE FIXTURE SCHEDULE. ADJACENT NUMBER INDICATES QUANTITY.
⚠3	NOTE REFERENCE: "SEE NOTE #3 ON THIS SHEET".
J	CEILING MOUNTED JUNCTION BOX.
JH	WALL MOUNTED JUNCTION BOX.
S	SINGLE POLE TOGGLE SWITCH.
Sa	"a" INDICATES OUTLET(S) CONTROLLED BY SWITCH.
⊖	DUPLEX CONVENIENCE RECEPTACLE, WALL MOUNTED
⊖	SAME AS ⊖ EXCEPT MOUNTED AT +36" AFF.
⊖	SPECIAL PURPOSE RECEPTACLE, WALL MOUNTED.
TV	T.V. ANTENNA OUTLET, WALL MOUNTED.
⊣	LIGHTING PANEL (120/208 V), FLUSH MOUNTED.
CH	CLOCK
IS	INTERCOM SYSTEM SPEAKER, WALL MOUNTED.
⚠ IB	INTERCOM SYSTEM PUSHBUTTON STATION, WALL MOUNTED.
⚠ FH	FIRE ALARM HORN SPEAKER.
⊏H	DOTTED ITEMS INDICATE EXISTING TO BE REMOVED.
⊠	EXHAUST FAN SPEED CONTROL SWITCH, WALL MOUNTED.
(S)	FRACTIONAL HORSEPOWER EXHAUST FAN, CEILING MOUNTED
◯	INCANDESCENT LIGHTING FIXTURE, RECESSED.
○H	INCANDESCENT OR H.I.D. LIGHTING FIXTURE, WALL MOUNTED.

ABBREVIATIONS:

(E)	EXISTING TO REMAIN.	EC	ELECTRICAL CONTRACTOR.
(R)	EXISTING TO BE REMOVED.	TYP.	TYPICAL.
U.O.N.	UNLESS OTHERWISE NOTED	C.O.	CONDUIT ONLY.
AFF	ABOVE FINISHED FLOOR.	NL	NIGHT LIGHT.
(N)	NEW.		

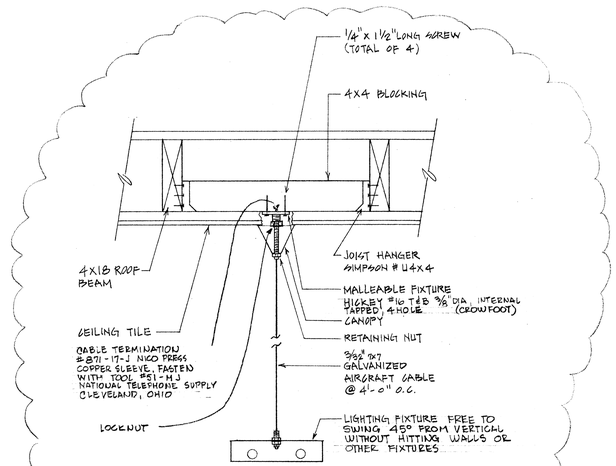
120/208 VOLTS, 3 PHASE, 4 WIRE — PANEL "C" (EXISTING) — 200 A. FLUSH BUSSING MOUNTED

LOAD	ΦA	ΦB	ΦC	LTG	REC	BKR	CKT	CKT	BKR	LTG	REC	ΦA	ΦB	ΦC	LOAD
LIGHTS - CLASSROOM	1680			9		20	1	2	20	1					SPARE
		640		4			3	4							
SPARE							5	6			5			510	LIGHTS
							7	8							(E) LOAD - CORRIDOR
PLUGS		960			2		9	10							
			360		2		11	12			2			360	PLUGS
	180				1		13	14			2	360			
SPARE							15	16			1	180			
PLUG			180		1		17	18							SPARE
SPARE							19	20			2	960			PLUGS
(E) SUB-PANEL						70/2	21	22							SPARE
							23	24							
SPARE						50/2	25	26	90/2						SPARE
							27	28							
SPARE						50/2	29	30	110/2						SPARE
							31	32							
SPARE						15/2	33	34	50/2						SPARE
							35	36							
							37	38							
							39	40							
							41	42							
TOTALS															TOTALS

NOTE U.O.N. ALL CIRCUIT BREAKERS ARE EXISTING.

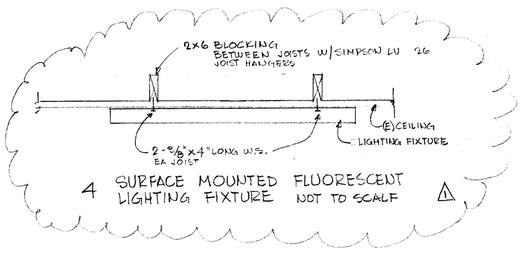
120/208 VOLTS, 3 PHASE, 4 WIRE — PANEL "F" (EXISTING) — 100 A. FLUSH BUSSING MOUNTED

LOAD	ΦA	ΦB	ΦC	LTG	REC	BKR	CKT	CKT	BKR	LTG	REC	ΦA	ΦB	ΦC	LOAD
LIGHTS - CLASSROOM	1560			9		20	1	2	20	1		540			PLUGS
		600		5			3	4		3			740		
SPARE							5	6		1				500	CONTROLLER
(E) LOAD - CORRIDOR							7	8		2	2	510			LIGHTS & PLUGS
							9	10							(E) LOAD
SPARE							11	12							SPARE
							13	14							
							15	16							
SPARE						50/2	17	18	50/2						SPARE
							19	20							
						50/2	21	22	50/2						
							23	24							
						~~50~~/2	25	26	~~50~~/2						
SPACE						–	27	28	–						SPACE
						–	29	30	–						
							31	32							
							33	34							
							35	36							
							37	38							
							39	40							
							41	42							
TOTALS															TOTALS



3 ⚠ **CABLE SUSPENDED FLUORESCENT FIXTURE HANGING DETAIL**

NOT TO SCALE



4 SURFACE MOUNTED FLUORESCENT LIGHTING FIXTURE NOT TO SCALE ⚠1

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Pleasant Hill, California (415) 946-9966

REGISTERED PROFESSIONAL ENGINEER — LAWRENCE S. WOLFF — STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
⚠1	ADDENDUM No. 3	2/26/88

REVISIONS

TITLE/DESCRIPTION:

ELECTRICAL SYMBOLS & SCHEDULES

SCALE: NONE
DATE: 1-4-88
DRAWN: EC CHECKED: FDK
JOB NO.: 2191

DRAWING NO.:

E-1

of 4

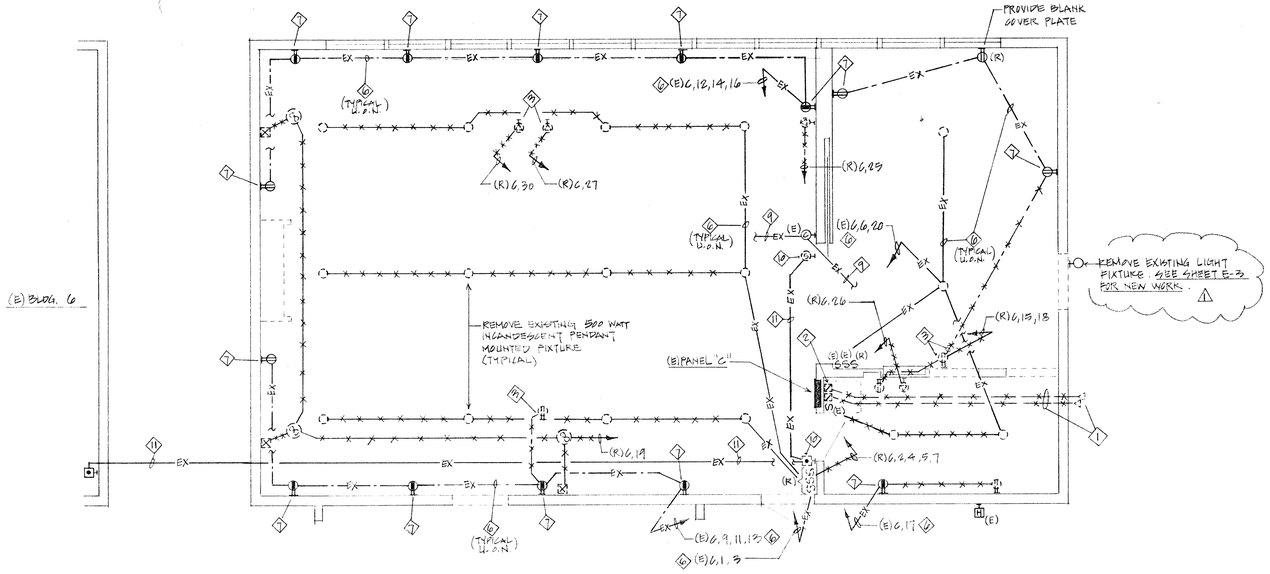
TWF #8710 9.00

REGISTERED ARCHITECT — C-8507 — MAR 31 1988 — STATE OF CALIFORNIA

APPROVED BY THE STATE ARCHITECT DIVISION OF OCCUPATIONAL SAFETY & HEALTH 49778 MAR 25 '88

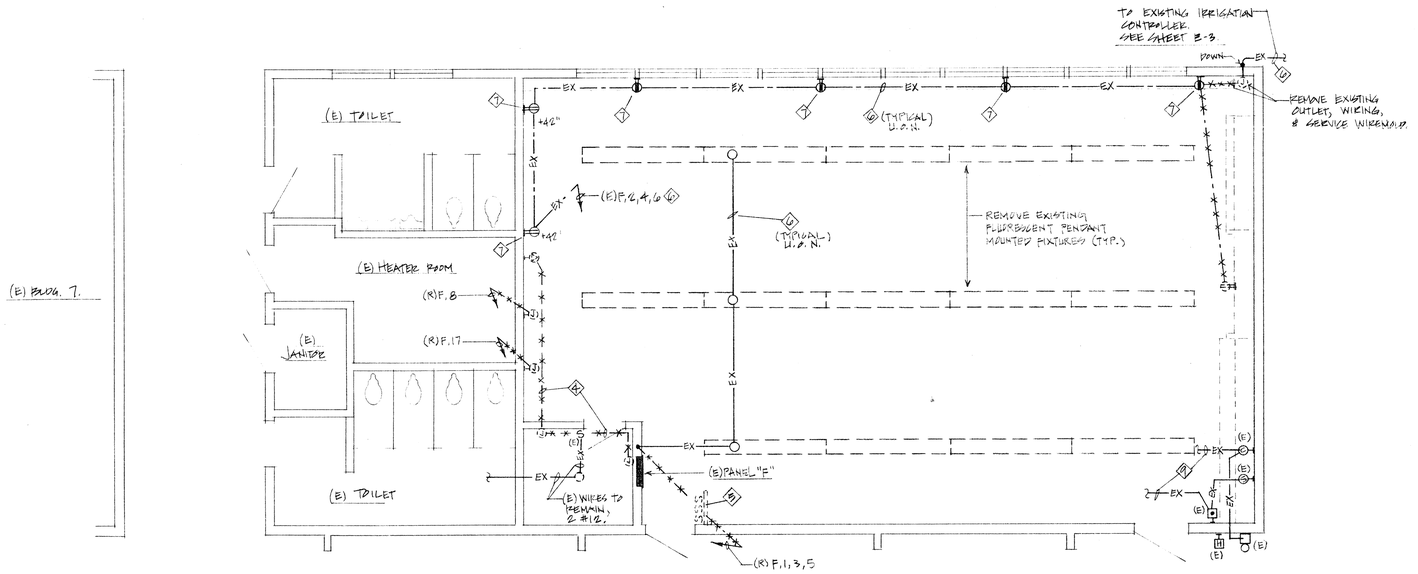
APPROVED BY THE STATE ARCHITECT ACCESS COMPLIANCE DEPT. OF 49778 MAR 22 '88

TOFT WOLFF FARROW Associates
Electrical Engineers
1267 Folsom Street
San Francisco, CA 94103
(415) 863-3988



ELECTRICAL DEMOLITION PLAN BUILDING 9

SCALE: 1/4" : 1' - 0"



ELECTRICAL DEMOLITION PLAN BUILDING 8

SCALE: 1/4" : 1' - 0"

NOTES:

1. REMOVE EXISTING CONDUIT AND WEATHERHEADS.
2. REMOVE EXISTING CIRCUIT BREAKERS (TOTAL OF 2) & ALL ASSOCIATED CONDUIT & WIRING.
3. REMOVE EXISTING RECEPTACLE AND CONDUIT STUB-UP. CUT EXISTING CONDUIT 2" BELOW FINISHED FLOOR, PATCH FLOOR TO MATCH EXISTING.
4. REMOVE EXISTING EXPOSED CONDUIT HOMERUN.
5. REMOVE EXISTING SWITCHES & CONDUIT. CUT EXISTING CONDUIT 2" BELOW FINISHED FLOOR, PATCH FLOOR TO MATCH EXISTING.
6. REMOVE ALL EXISTING CONDUCTORS & RETAIN EXISTING CONDUIT FOR NEW WIRING. SEE SHEET E-3
7. REMOVE EXISTING RECEPTACLE & RETAIN EXISTING OUTLET BOX FOR NEW RECEPTACLE. SEE SHEET E-3.
8. REFER TO ARCHITECTURAL DRAWINGS & SPECIFICATIONS FOR ADDITIONAL INFORMATION ON DEMOLITION WORK.
9. EXISTING CONDUIT AND WIRING FOR INTERCOM & CLOCK SYSTEM TO REMAIN.
10. REMOVE EXISTING INTERCOM PUSHBUTTON & SPEAKER; PROVIDE BLANK COVERS.
11. EXISTING INTERCOM SYSTEM CONDUIT TO REMAIN; REMOVE WIRING.

INTERCOM/FIRE ALARM/CLOCK SYSTEM FOR ENTIRE SCHOOL IS UNDER DSA APPLICATION NO. 49949

Richardson Voinovich, Inc.
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CAPITAL ENGINEERING CONSULTANTS MECHANICAL
TOFT WOLFF FARROW ELECTRICAL
Pleasant Hill, California (415) 946-9966

REGISTERED PROFESSIONAL ENGINEER — LAWRENCE S. WOLFF — No. E-5888 — STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT — BOARD OF EDUCATION

KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	2/12/88

REVISIONS

TITLE/DESCRIPTION:
ELECTRICAL DEMOLITION PLANS & NOTES

SCALE: 1/4" = 1'-0"
DATE: 1-4-88
DRAWN: FC CHECKED: PDK
JOB NO.: 8191

DRAWING NO.:
E-2

REGISTERED PROFESSIONAL ENGINEER — W. D. Wolff — No. E-5888 — STATE OF CALIFORNIA

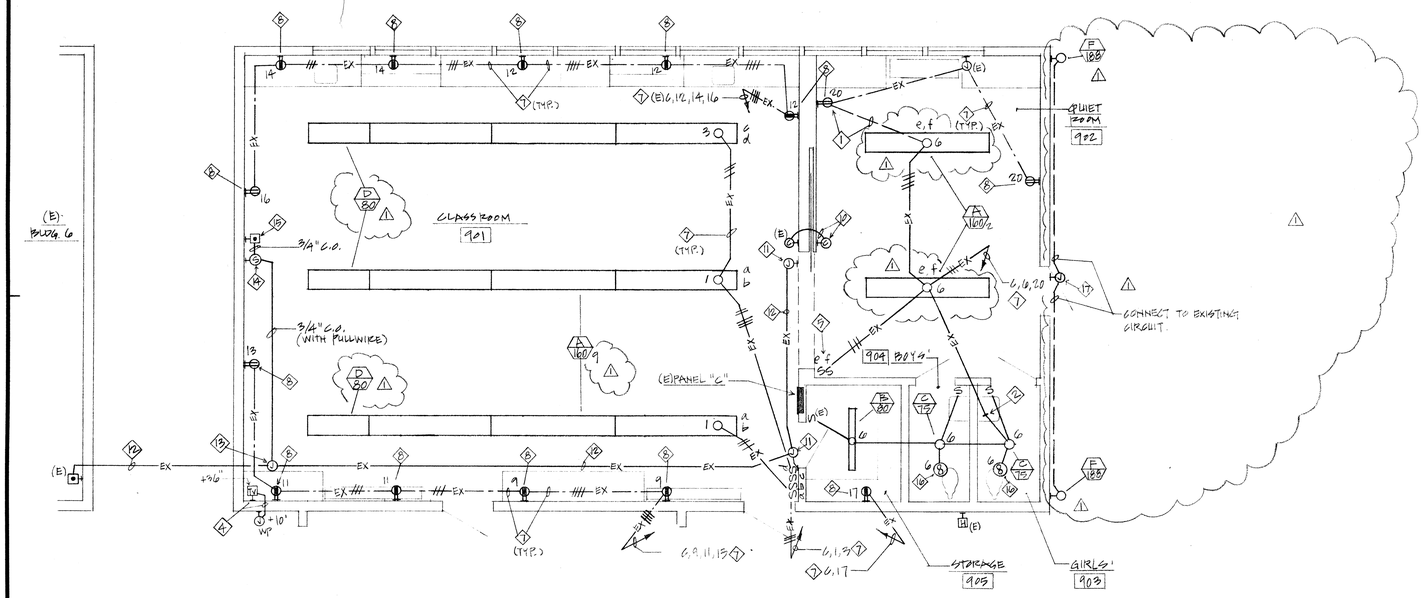
DIVISION OF THE STATE ARCHITECT — STRUCTURAL SAFETY SECTION — 49778 MAR 25 '88 — APPROVED

OFFICE OF LOCAL REVIEW ARCHITECT — 49778 MAR 22 '88

APPROVED MAR 22 1988

TOFT WOLFF FARROW Associates
Electrical Engineers
1267 Folsom Street
San Francisco, CA 94103
(415) 863-3988

TWF #8769.00

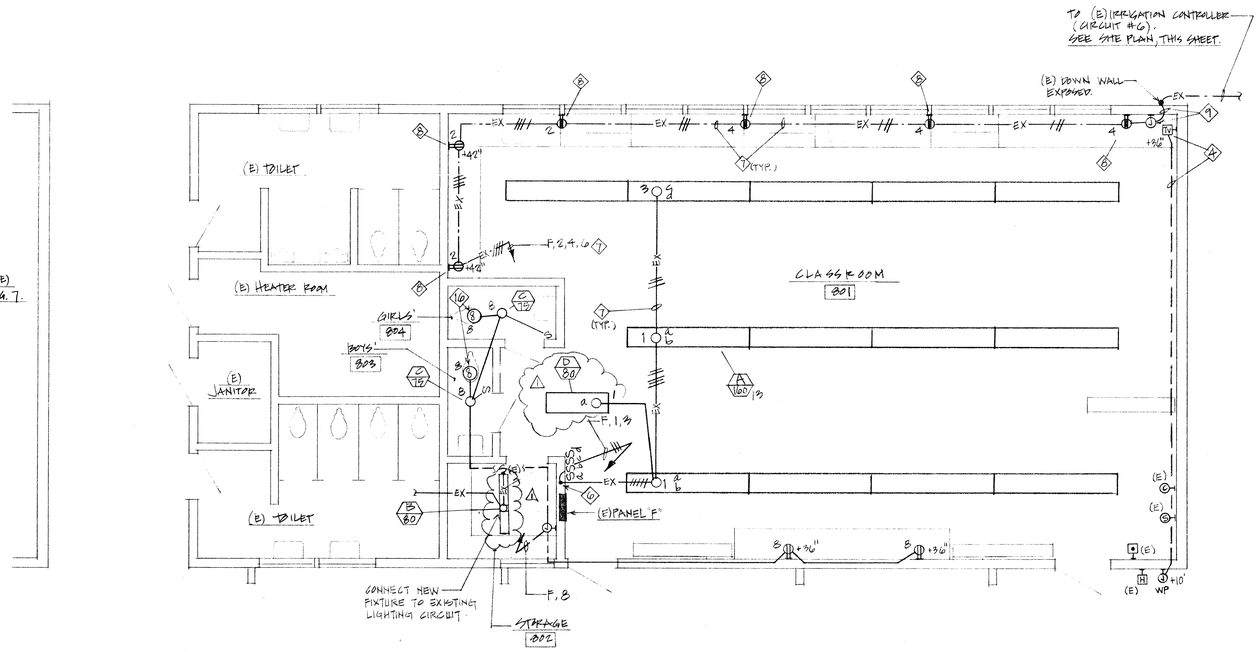


ELECTRICAL PLAN BUILDING 9

SCALE: 1/4" : 1' - 0"

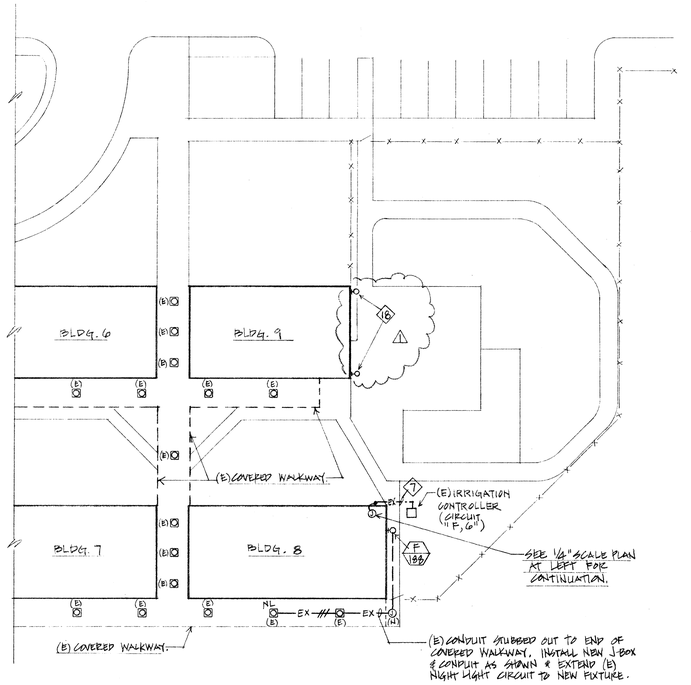
NOTES:

1. PROVIDE SURFACE METAL RACEWAY, WIREMOLD #200, AND CONNECT TO EXISTING DUPLEX RECEPTACLE WITH EXTENSION BOX ADAPTER #5781.
2. INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW LIGHTING FIXTURE AS SHOWN. PROVIDE NEW WIRING AS REQUIRED.
3. PROVIDE SURFACE METAL RACEWAY, WIREMOLD #200, & RUN EXPOSED ABOVE NEW DOOR & RECONNECT TO EXISTING RECEPTACLES AS SHOWN.
4. PROVIDE SURFACE MOUNTED T.V. OUTLET AND RUN EXPOSED RACEWAY, WIREMOLD # 1200, UP WALL & STUB OUT TO (N) W.P. J-BOX AS SHOWN. PROVIDE PULLWIRE IN RACEWAY.
5. REPLACE EXISTING COVER PLATE WITH ONE COVER PLATE FOR TWO SWITCHES AND ONE BLANK-OFF J-BOX.
6. INTERCEPT EXISTING CONDUIT FROM LIGHTING FIXTURES AND EXTEND TO NEW SWITCHES AS SHOWN.
7. INSTALL NEW WIRING IN EXISTING CONDUIT AS SHOWN.
8. INSTALL NEW RECEPTACLE IN EXISTING OUTLET BOX.
9. NEW J-BOX AT +36" AFF, HORIZONTALLY MOUNTED, FLUSH WITH FURRING. INTERCEPT EXISTING CONDUIT THROUGH WALL FOR (E) IRRIGATION CONTROLLER.
10. NEW CLOCK TO MATCH EXISTING, EXTEND CONDUIT & WIRING FROM EXISTING CLOCK ON OPPOSITE SIDE OF WALL.
11. EXISTING INTERCOM SYSTEM OUTLET BLANKED OFF, FOR FUTURE USE; SEE DEMOLITION PLAN, SHEET E-2.
12. EXISTING INTERCOM SYSTEM CONDUIT, WIRING REMOVED (SEE DEMOLITION PLAN, SHEET E-2); PROVIDE PULLWIRE FOR FUTURE USE.
13. INTERCEPT EXISTING INTERCOM SYSTEM CONDUIT, INSTALL NEW J-BOX (MUST BE ACCESSIBLE) AND INSTALL NEW CONDUIT AS SHOWN.
14. NEW INTERCOM SPEAKER BACKBOX AND GRILLE, SOUNDOLIER # U191-TB/U164-B, WALL MOUNTED AT +8'-3" AFF. SPEAKER AND WIRING BY OTHERS.
15. NEW INTERCOM PUSHBUTTON STATION WALL OUTLET ONLY (SINGLE-GANG) AT +48" AFF. PUSHBUTTON & COVERPLATE BY OTHERS.
16. FRACTIONAL HP. EXHAUST FAN, 49 WATTS, 120 V., CEILING MOUNTED, & CONTROLLED WITH LIGHTS. FAN FURNISHED & INSTALLED BY OTHERS, WIRED BY E.C.
17. REMOVE EXISTING LIGHT FIXTURE RETAIN EXISTING JUNCTION BOX & PROVIDE BLANK COVER PLATE.
18. REFER TO 1/4" SCALE PLAN ON THIS SHEET FOR FIXTURE TYPE & WIRING.



ELECTRICAL PLAN BUILDING 8

SCALE: 1/4" : 1' - 0"



PARTIAL ELECTRICAL SITE PLAN

SCALE : 1" = 20'-0"

Richardson Voinovich, Inc.
Architecture, Planning & Management
CAPITAL ENGINEERING CONSULTANTS — MECHANICAL
TOFT WOLFF FARROW — ELECTRICAL
Pleasant Hill, California (415) 946-9966

REGISTERED PROFESSIONAL ENGINEER — No. 7567 — ELECTRICAL — STATE OF CALIFORNIA

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION

Rio Vista School
West Pittsburg, California

For The
Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	2/24/88

REVISIONS

TITLE/DESCRIPTION :

ELECTRICAL PLANS, SITE PLAN & NOTES

SCALE : AS SHOWN
DATE : 1-4-88
DRAWN : FC CHECKED : PDK
JOB NO. : 2191

DRAWING NO. :

E-3

REGISTERED ARCHITECT — No. 5407 — STATE OF CALIFORNIA

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ELECTRICAL SPECIFICATIONS : SECTION 16050

BASIC ELECTRICAL MATERIAL AND METHODS

PART 1 - GENERAL REQUIREMENTS

A. THE REQUIREMENTS OF "GENERAL CONDITIONS" AND "GENERAL REQUIREMENTS, DIVISION 1", ARE A PART OF AND ARE TO APPLY TO ALL THE WORK OF DIVISION 16 WHERE APPLICABLE.

B. THE REQUIREMENTS OF THIS SECTION AND SECTION 16010 APPLY TO ALL THE WORK OF DIVISION 16 WHERE APPLICABLE.

C. WHERE ITEMS AND REQUIREMENTS ARE SPECIFIED IN OTHER SECTIONS AND DIVISIONS AND ARE APPLICABLE TO DIVISION 16 AND CONFLICT WITH REQUIREMENTS OF DIVISION 16, SECTIONS 16010 & 16050, CLARIFICATION SHALL BE SOUGHT, IN WRITING FROM THE ARCHITECT PRIOR TO BID.

DESCRIPTION

A. THE INTENT OF THESE SPECIFICATIONS AND DRAWINGS IS TO DEFINE THE ELECTRICAL SCOPE OF WORK AS INDICATED AND SPECIFIED HEREIN. THE CONTRACTOR SHALL INCLUDE IN THIS PRICE ALL ITEMS OF WORK REASONABLY INFERRED BY THESE SPECIFICATIONS AND DRAWINGS AND REQUIRED FOR COMPLIANCE WITH APPLICABLE CODES. IF THE CONTRACTOR IS IN DOUBT AS TO THE WORK OF ANY PORTION OF THESE SPECIFICATIONS AND DRAWINGS OR SUSPECTS NECESSARY INFORMATION IS OMITTED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO BID, FOR CLARIFICATIONS OR CORRECTIONS.

B. THE CONTRACTOR IS REQUIRED TO REVIEW DRAWINGS AND SPECIFICATIONS OF ALL DISCIPLINES, AS INDICATED IN THESE CONTRACT DOCUMENTS.

C. SHOULD THE CONTRACTOR BE IN DOUBT AS TO EXISTING CONDITIONS AND/OR SCOPE OF WORK, DIRECTION SHALL BE SOUGHT, IN WRITING FROM THE ARCHITECT, PRIOR TO BID.

D. THE CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING.

E. ALL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS' LABORATORIES AND BEAR THEIR LABEL.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING RELATED TO ELECTRICAL WORK, UNLESS NOTED OR DIRECTED OTHERWISE.

SCOPE OF WORK

A. THE SCOPE SHALL BE INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN AND INCLUDE MATERIALS, EQUIPMENT, FABRICATION, INSTALLATION AND TESTS IN CONFORMITY WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.

B. RELATED WORK SPECIFIED ELSEWHERE

1. CUTTING AND PATCHING WORK RESULTING FROM WORK IN THIS SECTION; SECTION 01040, "COORDINATION".
2. DEMOLITION OF EXISTING ELECTRICAL WORK, INTERFERENCES, AND OTHERWISE AS REQUIRED BY SECTION 02050, "DEMOLITION".
3. TEMPORARY ELECTRICAL POWER AND LIGHTING; SECTION 01510, "TEMPORARY WATER AND ELECTRICITY".
4. OPERATING AND MAINTENANCE DATA; SECTION 01730.

C. ELECTRICAL WORK NOT INCLUDED:

1. FINISHED PAINTING.
2. AS SPECIFIED OR INDICATED ON DRAWINGS.
3. FURNISHING AND SETTING OF MOTORS UNDER THE SECTIONS CORRESPONDING TO EQUIPMENT THAT HAVE MOTORS.

QUALITY ASSURANCE

A. ALL EQUIPMENT AND ACCESSORIES SHALL BE THE PRODUCT OF A MANUFACTURER REGULARLY ENGAGED IN ITS MANUFACTURE.

B. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW AND FREE FROM DEFECTS FOR A PERIOD OF TIME AS PRESCRIBED BY LAW FROM DATE OF FINAL ACCEPTANCE BY THE OWNER OR HIS REPRESENTATIVE. SHOULD TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER. REPLACE AT NO EXPENSE TO OWNER, EQUIPMENT OR MATERIAL DAMAGED DURING STORAGE OR HANDLING.

C. ALL ITEMS OF GIVEN TYPE SHALL BE PRODUCTS OF THE SAME MANUFACTURER.

SUBMITTALS

A. SUBMIT FOR REVIEW ALL EQUIPMENT, DEVICES AND MATERIAL SPECIFIED AND INDICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 01340, "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES" AND AS SPECIFIED HEREINAFTER. SUBMITTALS SHALL BE COMPLETE, BOUND UNDER COVER AND INDICATING PROJECT TITLE. CONTRACTOR SHALL REVIEW SUBMITTALS FOR CONFORMANCE WITH CONTRACT REQUIREMENTS AND MAKE NECESSARY REVISIONS AND SHALL MARK THEM AS APPROVED BY HIM. SUBMITTALS TO INDICATE THE FOLLOWING:

1. MANUFACTURER'S NAME, BRAND NAME AND CATALOG REFERENCE OF EQUIPMENT SUPPLIED.
2. DETAILED DESCRIPTION OF ITEMS SUPPLIED, INCLUDING SPECIFICATIONS, PERFORMANCE CHARACTERISTICS, MATERIALS, WIRING DIAGRAMS AND SCHEDULES.

PRODUCT DELIVERY, STORAGE AND HANDLING

A. EQUIPMENT SHALL BE SHIPPED IN ITS ORIGINAL PACKAGES TO PREVENT DAMAGING OR ENTRANCE OF FOREIGN MATTER. ALL HANDLING AND SHIPPING SHALL BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE PROTECTIVE COVERINGS DURING CONSTRUCTION.

B. REPLACE AT NO EXPENSE TO OWNER, EQUIPMENT OR MATERIAL DAMAGED DURING STORAGE OR HANDLING, AS DIRECTED.

C. ALL ITEMS SHALL BE TAGGED WITH A WEATHERPROOF TAG IDENTIFYING EQUIPMENT BY NAME AND PURCHASE ORDER NUMBER. PACKING AND SHIPPING LISTS SHALL BE INCLUDED.

PART 2 - PRODUCTS

RACEWAYS

A. CONDUIT:

1. RIGID STEEL: FULL WEIGHT PIPE, GALVANIZED, THREADED, MINIMUM DIAMETER 1/2 INCH, EXCEPT AS NOTED OR REQUIRED FOR WIRING.
2. ELECTRICAL METALLIC TUBING (EMT): THIN WALL PIPE, GALVANIZED, THREADLESS, MINIMUM DIAMETER 1/2 INCH, EXCEPT AS NOTED OR REQUIRED FOR WIRING.
3. FLEXIBLE STEEL: CONTINUOUS SINGLE STRIP, GALVANIZED, MINIMUM DIAMETER 1/2 INCH AS NOTED OR REQUIRED FOR WIRING. PVC COVERED FOR LIQUIDTIGHT.

B. CONDUIT FITTINGS:

1. RIGID CONDUIT: STEEL OR MALLEABLE IRON, GALVANIZED. ZINC DIE CAST FITTINGS NOT PERMITTED.
2. EMT: COMPRESSION OR SET SCREW TYPE. INDENTOR TYPE NOT PERMITTED.
3. FLEXIBLE METALLIC CONDUIT: ANGLE WEDGE TYPE WITH INSULATED THROAT.
4. BUSHINGS: METALLIC INSULATED TYPE. WEATHERPROOF OR DUSTTIGHT INSTALLATIONS; LIQUIDTIGHT WITH SEALING RING INSULATED THROAT.

C. SURFACE METAL RACEWAY:

1. COMPLETE WITH ALL FITTINGS AND ACCESSORIES. SIZE AS NOTED, BAKED ENAMEL FINISH INSIDE AND OUT:
   a. SNAP-ON COVERS, MINIMUM No. 20 GAUGE GALVANIZED STEEL.
   b. ACCEPTABLE MANUFACTURER: SIMILAR TO WIREMOLD CO., WALKER, POWER-STRUT.

D. BOXES:

1. OUTLET BOXES: EXCEPT AS OTHERWISE REQUIRED BY CONSTRUCTION, DEVICES OR WIRING, AS FOLLOWS:
   a. STAMPED STEEL, 4 INCHES SQUARE BY 1-1/2 INCHES OR 2-3/4 INCHES DEEP.
   b. IN WALL FOR DEVICES, 4 INCHES SQUARE BY 1-1/2 INCHES OR 2-3/4 INCHES DEEP WITH RAISED COVERS AND FIXTURE STUDS WHERE REQUIRED. THROUGH-THE-WALL TYPE NOT PERMITTED.
   c. BOXES FOR OUTDOORS AND DAMP LOCATIONS: WEATHERPROOF.
   d. BOXES WITHOUT FIXTURE OR DEVICE, PROVIDE WITH BLANK COVER.
   e. OFFSET BACK-TO-BACK OUTLETS WITH MINIMUM 6-INCH SEPARATION.
2. JUNCTION AND PULL BOXES:
   a. GALVANIZED SHEET STEEL.
   b. COVERS: SCREW-ON, EXCEPT AS SHOWN.
   c. WITH INSULATED SUPPORTS FOR CABLES.
   d. LOCATIONS: AS SHOWN, WHERE REQUIRED AND ACCESSIBLE.
   e. OUTDOORS AND DAMP LOCATIONS: GALVANIZED CAST IRON OR ALUMINUM WITH THREADED HUBS AND GASKETS.

600 VOLT WIRE AND CABLE

A. 600 VOLT WIRE AND CABLE , COMPLETE WITH ACCESSORIES: SIZES AWG, EXCEPT AS NOTED.

B. CONDUCTORS:

1. GENERALLY, TYPE THNN/THWN, UNLESS OTHERWISE NOTED, SOLID COPPER FOR SIZES NO. 10 AND SMALLER AND STRANDED COPPER FOR SIZES NO. 8 AND LARGER. MINIMUM CONDUCTOR SIZE NO. 12, UNLESS OTHERWISE NOTED.
2. CONTROL AND ALARM WIRE: MINIMUM SIZE NO. 14: AT 120 VOLTS AND OVER 200 FEET CIRCUIT LENGTH, MINIMUM SIZE NO. 12.
3. COLOR CODING:
   a. PHASE CONDUCTORS FOR 120/208V SYSTEM:
      PHASE A - BLACK
      PHASE B - RED
      PHASE C - BLUE
   b. NEUTRAL WIRE; WHITE.
   c. EQUIPMENT GROUND WIRE; GREEN.
   d. WHERE COLORED CABLE INSULATION IS NOT AVAILABLE, OVERLAP COLORED TAPING ON CONDUCTORS (MINIMUM LENGHT, THREE INCHES) IN ACCESSIBLE LOCATIONS.
4. TERMINATIONS, SPLICES AND TAPS:
   a. COPPER CONDUCTORS NO. 10 AND SMALLER. COMPRESSION TYPE OR TWIST-ON SPRING-LOADED CONNECTORS AND CLEAR NYLON INSULATED COVERING.
   b. COPPER CONDUCTORS NO. 8 AND LARGER. MECHANICAL BOLTED PRESSURE OR HYDRAULIC COMPRESSION TYPE OF SAME METAL AS CONDUCTOR TO MATCH CABLES WITH MARKING INDICATING SIZE AND TYPE.

CIRCUIT BREAKERS

A. MOLDED CASE CONSTRUCTION, THERMAL-MAGNETIC AND AMBIENT COMPENSATED. INTERRUPTING CAPACITY SHALL BE NOT LESS THAN AVAILABLE SHORT CIRCUIT CURRENT AT POINT OF INSTALLATION.

B. CIRCUIT BREAKERS INSTALLED IN EXISTING PANEL SHALL MATCH EXISTING.

EXISTING PANELBOARDS

A. PROVIDE NEW TYPEWRITTEN DIRECTORY INDICATING CIRCUIT NUMBER, LOCATION AND EQUIPMENT OR DEVICES SERVICED. NEW DIRECTORY SHALL SHOW EXISTING CIRCUITS TO REMAIN AND NEW WORK INSTALLED UNDER THIS CONTRACT.

B. RING OUT EXISTING CIRCUITS TO REMAIN AND UPDATE NEW DIRECTORY ACCORDINGLY.

DEVICES

A. INSERTION RECEPTACLES:

1. DUPLEX CONVENIENCE; SPECIFICATION GRADE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. COLOR: BROWN, UNLESS OTHERWISE NOTED. HUBBELL CATALOG NO. 5362 OR EQUAL.
2. SPECIAL RECEPTACLES: AS INDICATED.

B. LOCAL WALL SWITCHES: SPECIFICATION GRADE, HEAVY-DUTY, TOGGLE QUIET TYPE. COLOR: BROWN, UNLESS OTHERWISE NOTED. 20 AMP, 120/277 VOLT AC RATED. SIMILAR TO HUBBELL CATALOG NUMBERS AS FOLLOWS:

1. SINGLE POLE, NO. 1221 OR EQUAL.
2. THREE-WAY, NO. 1223 OR EQUAL.

C. WALL PLATES: PLASTIC (.100" THICK) SMOOTH LINE, BROWN. SIMILAR TO HUBBELL "P" OR EQUAL.

LIGHTING FIXTURES

A. LIGHTING FIXTURES PROVIDED WITH ALL REQUIRED COMPONENTS, LAMPS AND ACCESSORIES FOR THE INSTALLATION. LIGHTING FIXTURE TYPE, AS INDICATED. SUPPLY ENERGY SAVING LAMPS AND BALLAST FOR FLUORESCENT FIXTURES, UNLESS OTHERWISE NOTED.

PART 3 - EXECUTION

A. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS OF WORK. COORDINATE AND FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS. VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLET, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, SUSPENDED CEILINGS, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

B. SECURE ALL SUPPORTS TO BUILDING STRUCTURE. INSTALL EQUIPMENT RIGID AND SECURE, PLUMB AND LEVEL AND IN TRUE ALIGNMENT WITH RELATED AND ADJOINING WORK. NO WELDING OF ELECTRICAL MATERIALS FOR ATTACHMENT OR SUPPORT IS PERMITTED.

C. SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

D. JUNCTION AND PULL BOXES: NOT EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY RACEWAY RUNS, PROVIDE PULL BOXES EVERY 100 FEET OR AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.

E. HEIGHTS OF OUTLETS: FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS AS FOLLOWS:

1. RECEPTACLES AND TELEPHONES: 1'-6" OR AS INDICATED
2. WALL SWITCHES: 4'-0"
3. OTHER OUTLETS: AS INDICATED.
4. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS. ON MOLDING OR BREAK IN WALL SURFACE. IN VIOLATION OF CODE REQUIREMENTS. AS NOTED OR DIRECTED.

F. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED AND WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK.

G. TEMPORARY SHUTDOWNS OF EXISTING SERVICES:

1. IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 01010 "SUMMARY OF WORK/INTERRUPTION OF BUILDING SERVICES" AND AS SPECIFIED HEREINAFTER AND SHOWN ON PLANS.
2. ALARM AND EMERGENCY SYSTEMS: NOT TO BE INTERRUPTED.

H. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE DISTURBED WORK TO ORIGINAL CONDITION INCLUDE MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.

REMOVAL AND RELOCATION OF EXISTING WORK

A. DISCONNECT, REMOVE OR RELOCATE ELECTRICAL MATERIAL, EQUIPMENT AND OTHER WORK NOTED OR REQUIRED BY REMOVAL OR CHANGES IN EXISTING CONSTRUCTION.

B. PROVIDE NEW MATERIAL AND EQUIPMENT REQUIRED FOR RELOCATED EQUIPMENT.

C. DISCONNECT LOAD AND LINE END OF CONDUCTORS FEEDING EXISTING EQUIPMENT REMOVED AND/OR REWORKED, AS INDICATED.

D. REMOVE CONDUCTORS FROM EXISTING RACEWAYS TO BE REWIRED.

E. CUT AND CAP CONDUITS FLUSH WITH FLOOR OR BEHIND WALL AND CEILINGS.

F. DISPOSE OF REMOVED RACEWAYS AND WIRE AND DISPOSE OF REMOVED ELECTRICAL EQUIPMENT, AS DIRECTED.

CONDUIT

A. RUN CONDUITS CONCEALED, EXCEPT AS INDICATED. RUN PARALLEL OR AT RIGHT ANGLES TO WALLS WHEN EXPOSED. INSTALL CONDUITS, GENERALLY, AS FOLLOWS:

1. NO CONDUIT WITHIN 3 INCHES OF HOT WATER PIPES OR APPLIANCES, EXCEPT CROSSINGS WHERE CONDUIT SHALL BE AT LEAST 1 INCH FROM PIPE COVER.
2. CONDUITS: CONTINUOUS FROM OUTLET TO OUTLET, FROM OUTLET TO CABINETS, JUNCTION OR PULL BOXES, SECURED TO ALL BOXES SO THAT EACH SYSTEM IS ELECTRICALLY CONTINUOUS FROM SERVICE TO OUTLETS. PROVIDE TERMANATIONS OF CONDUITS WITH LOCK NUT AND INSULATED BUSHING.
3. CONDUIT SUPPORTS: WALL BRACKETS, CEILING TRAPEZE, STRAP HANGERS ON PIPE STRAPS, SECURED TO BUILDING STRUCTURE, BY MEANS OF TOGGLE BOLTS ON HOLLOW MASONRY UNITS, EXPANSION SHIELDS OR INSERTS IN CONCRETE OR BRICK. MACHINE SCREWS ON METAL SURFACES AND WOOD SCREWS ON WOOD CONSTRUCTION. NAILS, RAWL OR WOOD PLUGS NOT PERMITTED.
4. CUT CONDUIT ENDS SQUARE, REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLINGS.
5. RIGID STEEL: PROVIDE IN CONCRETE SLABS ON GRADE AND BELOW GRADE AND USE WHERE EMT CONDUIT IS NOT PERMITTED.
6. EMT: FOR INTERIOR USE, NOT SUBJECT TO DAMAGE (CONCEALED).
7. DIRECT BURIED CONDUIT: INSTALL 24" MINIMUM BELOW FINISHED GRADE WITH 2" THICK WOOD BOARDS OVER CONDUITS. TREAT BOARDS WITH PRESERVATIVE. RIGID STEEL CONDUIT, PROVIDE CONTINUOUSLY WITH WATERPROOFING TAPE, HALF LAPPED.
8. MAKE FINAL CONNECTIONS TO MOTOR TERMINAL BOXES AND/OR TRANSFORMERS WITH FLEXIBLE METALLIC CONDUIT. MINIMUM 18 INCHES IN LENGHT WITH SLACK. DO NOT TERMINATE IN OR FASTEN CONDUIT TO MOTOR FOUNDATION.
9. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. IN RACEWAYS OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED, FURNISH FISH WIRE.
10. SUPPORT PANEL, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.

IDENTIFICATION OF EQUIPMENT, CIRCUITS AND DEVICES

A. ELECTRICAL EQUIPMENT (PANELBOARDS, TERMINAL CABINETS, ETC.) SHALL BE PROPERLY IDENTIFIED BY MEANS OF ENGRAVED NAMEPLATES PERMANENTLY ATTACHED TO THE EQUIPMENT. NAMEPLATE MATERIAL SHALL BE LAMINATED PHENOLIC, 3/32" THICK WITH WHITE CORE AND 1/4" HIGH LETTERS. ATTACH NAMEPLATES TO EQUIPMENT WITH "SCREWS" OR "POP-RIVETS".

B. PERMANENT FIREPROOF TAGS SHALL BE ATTACHED TO FEEDER WIRING IN CONDUITS WHERE RUNS ARE TERMINATED. CIRCUIT, PHASE AND LOAD SERVED SHALL BE INDICATED.

C. LABEL ALL CONDUCTORS IN OUTLETS, JUNCTION BOXES, PULL BOXES AND PANELBOARDS BY MEANS OF PRINTED ADHESIVE STRIPS TO SHOW PANEL DESIGNATION AND CIRCUIT NUMBER.

D. ALL RECEPTACLES SHALL BE PROVIDED WITH "ENGRAVED" DEVICE PLATES SHOWING PANEL DESIGNATION AND CIRCUIT NUMBER.

TEST, OPERATION AND ADJUSTMENTS

A. UPON COMPLETION OF ELECTRICAL WORK AND ADJUSTMENT OF EQUIPMENT, OPERATE TO DEMONSTRATE THAT EQUIPMENT FUNCTIONS ELECTRICALLY IN THE MANNER REQUIRED. ALL OPERATIONS SHALL BE COMPLETED PRIOR TO FINAL REVIEW AND ACCEPTANCE.

B. PANELS AND CIRCUITS SHALL BE TESTED FOR SHORTS AND GROUNDS WITH MAINS DISCONNECTED FROM FEEDERS, BRANCH CIRCUITS CONNECTED AND SWITCHES CLOSED. EACH INDIVIDUAL CIRCUIT SHALL BE TESTED AT THE PANEL WITH THE EQUIPMENT CONNECTED FOR PROPER OPERATION. AFTER COMPLETION OF THE INSTALLATION, A FINAL TEST OF THE ELECTRICAL INSTALLATION WILL BE MADE UPON THE DATE AGREED UPON BY THE ARCHITECT. THIS TEST MUST BE MADE UNDER THE SUPERVISION OF THE ARCHITECT OR HIS DESIGNATED REPRESENTATIVE, AND ANY DEFECTS WHICH IT DISCLOSES MUST BE CORRECTED.

CLEAN-UP AND DISPOSAL

A. AT FREQUENT INTERVALS DURING AND AGAIN UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL CLEAR FROM THE BUILDINGS AND SITE ALL DISCARDED MATERIALS, TOOLS, EQUIPMENT, AND DEBRIS AND LEAVE THE AREA IN A CLEAN ACCEPTABLE CONDITION AS APPROVED.

RECORD DRAWINGS (AS-BUILTS)

A. RECORD DRAWINGS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 01720, "PROJECT RECORD DOCUMENTS" AND AS SPECIFIED HEREINAFTER.

B. MAINTAIN COMPLETE SET OF RECORD ELECTRICAL DRAWINGS INDICATING ALL WORK INSTALLED DIFFERENTLY FROM ORIGINAL CONTRACT DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. INDICATING ANY CHANGES IN CONDUIT RUNS, CONDUIT SIZES, NUMBER AND SIZE OF WIRES, CIRCUITS, ETC.
2. IDENTIFY ALL FULL POWER AND CONTROL CIRCUITS BY PANEL AND CIRCUIT NUMBERS.
3. ACCURATELY AND NEATLY TRANSCRIBE LOCATIONS OF BURIED OR CONCEALED PIPE, CONDUIT, DUCTS OR OTHER LINES FROM PERMANENT ACCESSIBLE SURFACE FEATURES.

C. AT END OF PROJECT TRANSFER ALL CHANGES TO OZALID TRANSPARENCIES AND SUBMIT THESE TRANSPARENCIES AND THREE (3) SETS OF PRINTS AND FIELD DRAWINGS TO ARCHITECT, MARK DRAWINGS, "RECORD DRAWINGS", DATED AND SIGNED BY CONTRACTOR.

EXISTING CONDITIONS

A. EXISTING CONDITIONS HAVE BEEN VERIFIED THROUGH OBSERVATIONS OF WORK WHICH ARE READILY VISIBLE AND/OR EXISTING CONSTRUCTION DRAWINGS. NO ATTEMPT HAS BEEN MADE TO EXPOSE CONCEALED CONSTRUCTION OR DISRUPT BUILDING OPERATIONS AND SYSTEMS.

B. CONTRACTOR SHALL CONFIRM EXISTING WORK WHICH AFFECTS THIS CONTRACT. SHOULD CONTRACTOR NOT CONFIRM EXISTING CONDITIONS AND/OR SCOPE OF WORK, NO REVISIONS IN THE CONTRACT PRICE SHALL BE CONSIDERED.

C. SHOULD CONTRACTOR BE IN DOUBT AS TO EXISTING CONDITIONS AND/OR SCOPE OF WORK, DIRECTION SHALL BE SOUGHT, IN WRITING, PRIOR TO BID.

NOTES: REFER TO BOUND SPECIFICATIONS FOR SECTION 16010 'BASIC ELECTRICAL REQUIREMENTS'

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KINDERGARTEN CONVERSION
Rio Vista School
West Pittsburg, California
For The Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 3	2/22/88

REVISIONS

TITLE/DESCRIPTION :
ELECTRICAL SPECIFICATIONS SECTION 16050

SCALE : NONE
DATE : 1-4-88
DRAWN : EC CHECKED : PDK
JOB NO. : 2191

DRAWING NO. :
E-4

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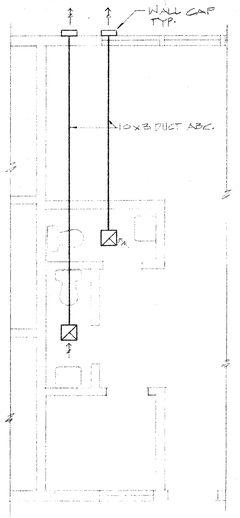
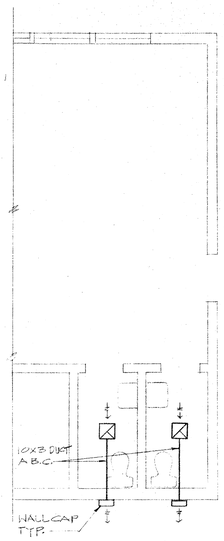


PART. HVAC PLAN BUILDING 8

SCALE : 1/4" = 1'—0"

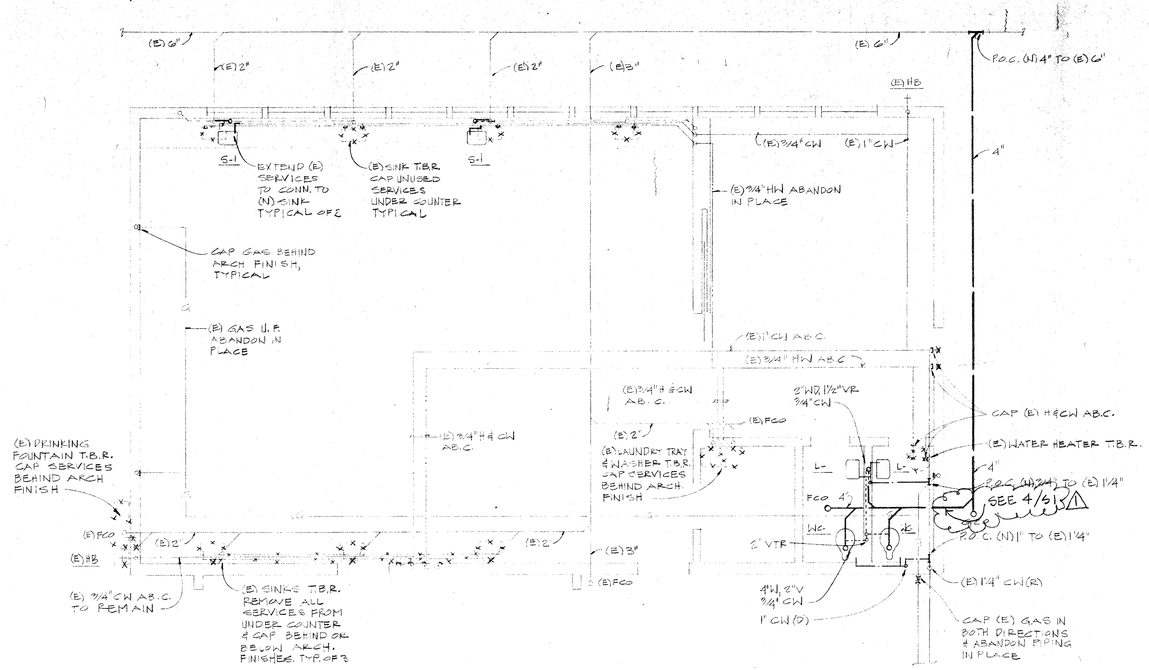
1 / M1



PART. HVAC PLAN BUILDING 9

SCALE : 1/4" = 1'—0"

2 / M1



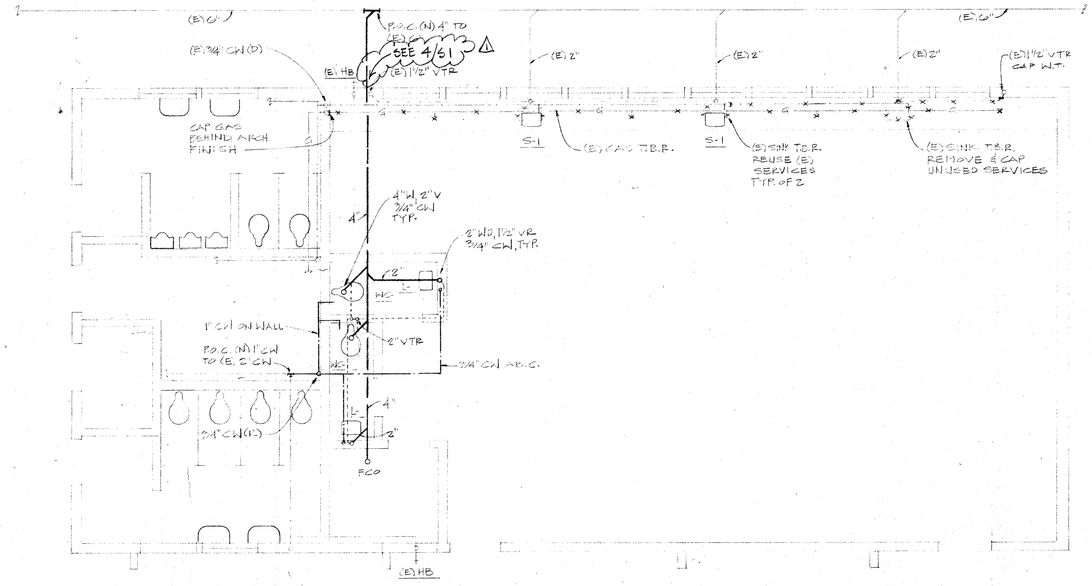
PLUMBING FLOOR PLAN BUILDING 9

SCALE : 1/4" = 1'—0"

3 / M1

LEGEND

——— ——— ———	SANITARY SOIL OR WASTE
——— · ——— · ———	COLD WATER LINE .. CW
——— · ——— · ———	HOT WATER LINE .. HW
———G———	GAS LINE .. G
- - - - - - - - - -	VENT LINE
—x—x—x—	EXISTING LINE OR FIXTURE T.B.R.
V VF VTR	VENT, VENT RISE, VENT THRU ROOF
WD	WASTE DROP
(E) (D)	RISE, DROP
(N) (E)	NEW, EXISTING
P.O.C.	POINT OF CONNECTION
W.T.	WEATHER TIGHT
A.B.C.	ABOVE CEILING
FCO	FLOOR CLEAN OUT
GCO	GRADE CLEAN OUT
T.B.R.	TO BE REMOVED
U.F.	UNDER FLOOR
	EXHAUST GRILLE
CFM	CUBIC FEET PER MINUTE



PLUMBING FLOOR PLAN BUILDING 8

SCALE : 1/4" = 1'—0"

4 / M1

N

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES DIVISION OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION 49778 MAR 25 '88

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION 49778 MAR 22 '88 APPLICATION DOES NOT REQUIRE REVIEW

APPROVED FOR CONSTRUCTION MAR 22 1988

REGISTERED ARCHITECT RON R. RICHARDSON C-5407 STATE OF CALIFORNIA

Richardson Voinovich, Inc.
Architecture, Planning & Management
CAPITAL ENGINEERING CONSULTANTS MECHANICAL ELECTRICAL
TOFT WOLFF FARROW
Pleasant Hill, California (415) 946-9966

Capital Engineering Consultants, Inc. Sacramento, Calif.

8711.23 Project No. | Signature | Reg. No./Exp. Date

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MT. DIABLO UNIFIED SCHOOL DISTRICT

KINDERGARTEN CONVERSION

Rio Vista School
West Pittsburg, California

For The
Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
1	ADDENDUM #3	2/24/88

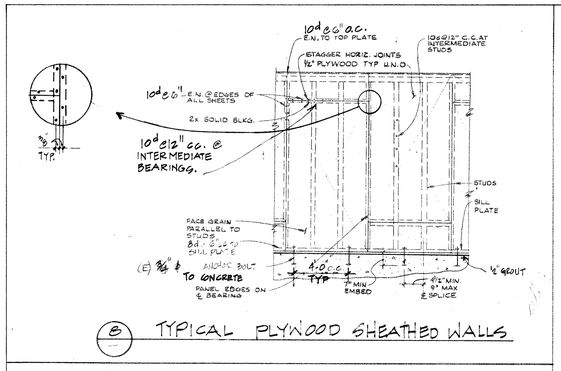
REVISIONS

TITLE/DESCRIPTION :
PLUMBING AND HVAC PLANS

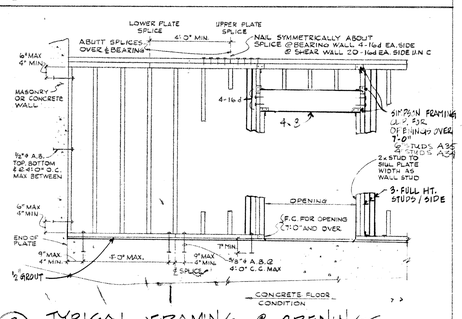
SCALE :
DATE : JAN. 4, 1988
DRAWN : CHECKED :
JOB NO. : 2191

DRAWING NO. :

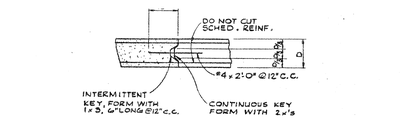
M-1



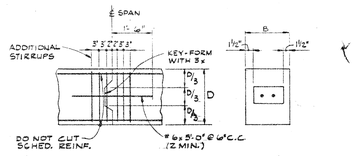
8 TYPICAL PLYWOOD SHEATHED WALLS



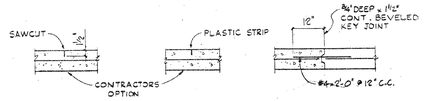
9 TYPICAL FRAMING & OPENINGS, TOP PLATE SPLICE, ETC.



SUPPORTED SLAB



GRADE BEAMS

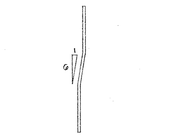


CONTROL JOINT CONSTRUCTION JOINT

SLAB ON GRADE

LOCATE TO ENCLOSE APPROX. SQUARE AREAS NOT EXCEEDING 400 SQ. FT. SUBMIT LAYOUT FOR APPROVAL. LOCATE UNDER PARTITION WHEREVER POSSIBLE.

5 TYPICAL CONSTRUCTION JOINT DETAILS

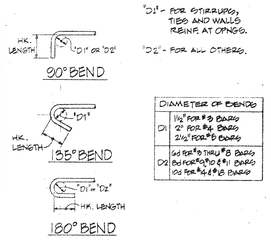


BAR SIZE	CLASS SPLICE		
	A	B	C
#3	1'-1"	1'-4"	1'-9"
#4	1'-5"	1'-10"	2'-5"
#5	1'-9"	2'-3"	2'-10"
#6	2'-3"	2'-11"	3'-10"
#7	3'-1"	4'-0"	5'-2"
#8	4'-0"	5'-2"	6'-8"
#9	5'-1"	6'-6"	8'-5"
#10	6'-6"	8'-6"	11'-0"
#11	8'-0"	10'-6"	13'-7"

USE CLASS C SPLICE U.N.O

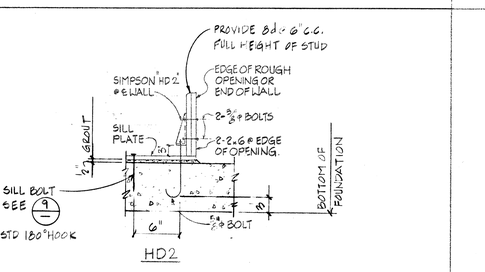
1 TYPICAL OFFSET & TYP LAP SPLICE

BAR SIZE	MAIN REINF.		STIRRUPS & TIES	
	90°	180°	90°	180°
#3	6"	6"	5"	4½"
#4	8"	6"	6"	6"
#5	9½"	6½"	8"	7½"
#6	11½"	8½"	11½"	10"
#7	13½"	9½"	13½"	11½"
#8	15"	11"	15"	13"
#9	18"	9"	–	–
#10	20"	10"	–	–
#11	22"	11"	–	–



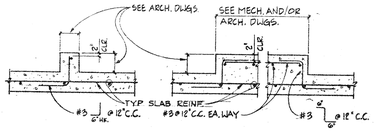
DIAMETER OF BENDS	
D1	1½" FOR #3 BARS; 2" FOR #4 BARS; 2½" FOR #5 BARS
D2	4" FOR #3 THRU #8 BARS; 6" FOR #9, #10 & #11 BARS

2 STANDARD HOOKS

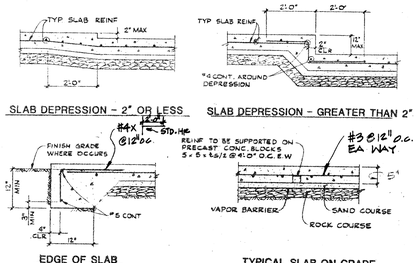


HD2

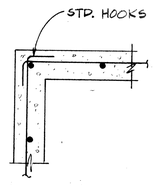
10 TYPICAL HOLDOWN DETAIL



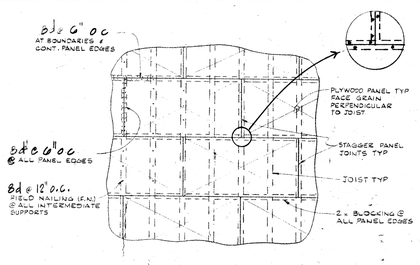
6 TYPICAL CURB AND MECHANICAL PAD DETAILS



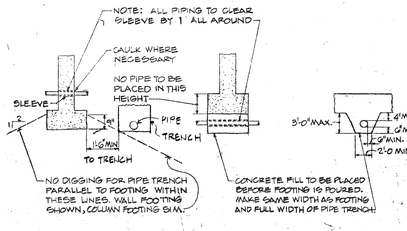
3 TYPICAL SLAB ON GRADE DETAILS



11 TYP. FOUNDATION INTERSECTIONS



7 TYPICAL PLYWOOD SHEATHING AT ROOF
CENTER PLYWOOD JOINTS ON JOISTS AND BLOCKING.



4 PIPE CLEARANCE AND DETAILS AT FOOTING

GENERAL STRUCTURAL NOTES

I. GENERAL

A. ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM BUILDING CODE, 1979 EDITION & TITLE 21 & 24 C.A.C.
B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE CONTRACTING OFFICER.
C. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
D. DO NOT USE SCALED DIMENSIONS: USE WRITTEN DIMENSIONS OR WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
E. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.
F. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: KINDS OF FLOOR FINISH AND THEIR LOCATION, FOR DEPRESSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, FOR ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC.
G. HOLES AND OPENINGS THROUGH WALLS AND FLOORS FOR DUCTS, PIPING AND VENTILATION SHALL BE CHECKED BY THE CONTRACTOR, WHO SHALL VERIFY SIZES AND LOCATION OF SUCH HOLES OR OPENINGS WITH THE PLUMBING, HEATING, VENTILATING AND ELECTRICAL DRAWINGS AND THESE SUB-CONTRACTORS.
H. NO PIPES OR DUCTS SHALL BE PLACED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.
I. DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING. THE SUBCONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO INSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT, OR ENGINEER SHALL NOT RELIEVE THE SUBCONTRACTOR OF SUCH RESPONSIBILITY.

II. DESIGN CRITERIA

A. APPLICABLE CODE: TITLE 21 & 24 C.A.C. & UNIFORM BUILDING CODE, 1979 EDITION.
B. VERTICAL LIVE LOADS: (REDUCIBLE).

ROOF: 20 PSF.

C. LATERAL LOADS:

1. WIND: 15 PSF.
2. SEISMIC: .16ZW, Z=1.0, I=1.0, K=1.33, CS=.14.

III. MATERIALS

A. CONCRETE

1. REINFORCING STEEL: ASTM A615, GRADE 40.
2. CONCRETE: NORMAL WEIGHT WITH COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
3. MINIMUM CONCRETE COVER FOR REINFORCING STEEL:

A.	SURFACE POURED AGAINST GROUND	3"
B.	FORMED SURFACES BELOW GRADE	2"
C.	SURFACES EXPOSED TO WEATHER	2"
D.	BEAM BARS (INCL. STIRRUPS)	1-1/2"
E.	ALL OTHER	1"

C. WOOD

1. FRAMING LUMBER - DOUGLAS FIR LARCH
   A. HEADERS, PLATES: NO. 1.
   B. STUDS, JOISTS, BLOCKING: NO. 2.
   C. REDWOOD SILLS, NAILERS AND LEDGERS IN CONTACT WITH CONCRETE: PRESERVATIVE TREATED DOUGLAS FIR.
   D. POSTS AND BEAMS: NO. 1.
2. PLYWOOD SHEATHING
   A. ROOF SHEATHING: 1/2 INCH C-D EXTERIOR APA RATED 32/16.
   B. WALL SHEATHING: 1/2 INCH STRUCTURAL I.
3. FRAMING HARDWARE AND JOIST HANGERS: AS MANUFACTURED BY SIMPSON STRONGTIE CO. OR APPROVED EQUAL. SIMPSON DESIGNATIONS USED. USE NAILS PER I.C.B.O. APPROVAL FOR EACH DEVICE.
4. COMMON NAILS, UNLESS OTHERWISE NOTED.
5. NAILING SCHEDULE

CONNECTION	COMMON WIRE NAILS
JOISTS OR RAFTERS AT ALL BEARINGS-TOE NAILS, EA. SIDE	2-10d
BLOCKING BETWEEN JOISTS OR RAFTERS- TO JOIST OR RAFTER-TOE NAILS, EA. SIDE, EA. END	2-10d
TO JOIST RAFTER BEARINGS-TOE NAILS, EA. SIDE	2-10d
BLOCKING BETWEEN STUDS, EACH END	2-10d
BRIDGING TO JOIST TOE NAIL EACH END	TOE NAILS, OR 2-16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	2-8d
TOP PLATE TO STUD, END NAIL	16d AT 16" OC
STUD TO SOLE PLATE, TOE NAIL	2-16d
DOUBLED STUDS, FACE NAIL	4-8d
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	16d AT 24" OC
DOUBLE TOP PLATES, FACE NAIL- (SEE 2-2318(g)4 FOR MINIMUM LAP)	2-16d
BUILT-UP CORNER STUDS	16d AT 16" OC
RIBBONS TO STUDS	16d AT 24" OC
ONE (1) INCH RIBBONS	2-8d
TWO (2) INCH RIBBONS	2-16d
CONTINUOUS HEADER, TWO PIECES	16d AT 16" OC
CONTINUOUS HEADER TO STUD, TOE NAIL	ALONG EA. EDGE 4-8d

6. PROJECT INSPECTOR SHALL HAVE MOST CURRENT SIMPSON CATALOG OR I.C.B.O. APPROVAL AT JOB SITE.
7. MACHINE NAILING NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY OSA AND PROJECT STRUCTURAL ENGINEER.

REGISTERED ARCHITECT ROD R. RICHARDSON MAR 2 1988 STATE OF CALIFORNIA

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION S-8207 4972.8 MAR 25 '88 Per [signature] PRINCIPAL STRUCTURAL ENGINEER

Richardson Voinovich, Inc.
Architecture, Planning & Management
Pleasant Hill, California (415) 946-9966

WILLIAM P. BANKS No. 10107 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

KINDERGARTEN CONVERSION

Rio Vista School
West Pittsburg, California

For The
Mt. Diablo Unified School District

NO.	DESCRIPTION	DATE
NEW ISSUE	ADDENDUM NO. 3	4/26/88

REVISIONS

TITLE/DESCRIPTION:
GENERAL NOTES & TYPICAL DETAILS

SCALE: N.T.S.
DATE: JAN 4, 1988
DRAWN: A.S. CHECKED: WPD
JOB NO.:

DRAWING NO.:
S1

ABBREVIATIONS

AC	ASPHALT
AD	AREA DRAIN
AL	AREA LIGHT
BBALL	BASKETBALL POLE
BC	BUILDING CORNER
BNCH	BENCH
BOL	BOLLARD
BOW	BACK OF WALK
CB	CATCH BASIN
CLF	CHAIN-LINK FENCE
COM	COMMUNICATIONS
CONC	CONCRETE
CR	CROWN
DI	DRAIN INLET
DW	DRY WELL
E BOX	ELECTRIC BOX
E PNL	ELECTRIC PANEL
E VLT	ELECTRIC VAULT
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
FOC	FACE OF CURB
GB	GRADE BREAK
GM	GAS METER
GND	GROUND ELEVATION
GUY	GUY WIRE
HNG	HINGE
HPS	DISABLED PARKING STRIPE
HR	HAND RAIL
ICV	IRRIGATION CONTROL VALVE
JP	JOINT POLE
LCH	LATCH
LIP	LIP OF GUTTER
PS	PARKING STRIPE
RPS	RUBBERIZED PLAY SURFACE
RTW	RETAINING WALL
SDMH	STORM DRAIN MAN HOLE
SL	STREETLIGHT
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MAN HOLE
TC	TOP OF CURB
VG	VALLEY GUTTER
WD FNC	WOOD FENCE
WIF	WROUGHT IRON FENCE
WF	WATER FOUNTAIN
WM	WATER METER
WV	WATER VALVE
XFRMR	TRANSFORMER

LEGEND

BUILDING LINE

CHAIN-LINK FENCE

WOOD FENCE

WROUGHT IRON FENCE

UNDERGROUND ELECTRIC

UNDERGROUND GAS

UNDERGROUND IRRIGATION

UNDERGROUND JOINT UTILITIES

UNDERGROUND STORM

UNDERGROUND STREETLIGHT

UNDERGROUND UNKNOWN

UNDERGROUND WATER

ELEVATION DATUM:
ELEVATIONS ARE BASED UPON GPS OBSERVATION = NAVD88

NOTES:

1.) UTILITY NOTE;
THE TYPES, LOCATIONS, SIZES AND/OR DEPTH OF EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.

EXISTING BUILDING
43.50 F.F. ±

EXISTING BUILDING
43.50 F.F. ±

EXISTING BUILDING
43.54 F.F. ±

UNMARKED PVC IRRIGATION IN PLANTED AREAS

UNMARKED PVC IRRIGATION IN PLANTED AREAS

UNMARKED PVC IRRIGATION IN PLANTED AREAS

0 5 10 20 Feet
1"=10'

MARK	DATE	DESCRIPTION	BY
		REVISIONS	

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave **Concord** **California**

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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CARROLL ENGINEERING
civil engineers and surveyors
1120 S. WINCHESTER BLVD.
SUITE L-184
SAN JOSE, CA 95128
TEL: 408-261-0595
FAX: 408-261-0599
E-MAIL: RichardCarroll@carroll-engineering.com

SHEET
1
OF 7 SHEETS

JOB NO. 3052

Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours; and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

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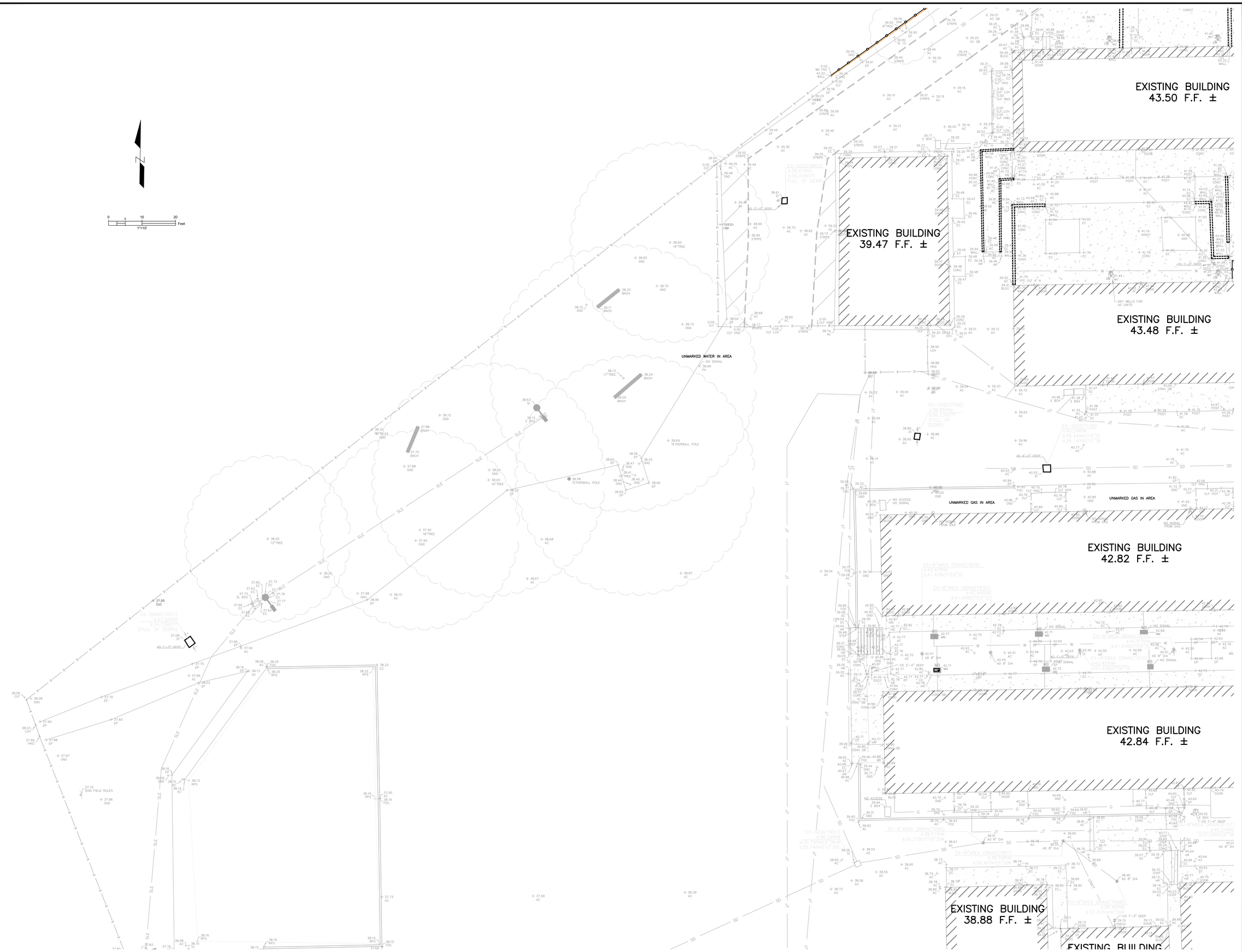
Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, even though design professional may have been negligent, except for the sole negligence or willful misconduct of design professional.



TOPOGRAPHIC SURVEY

MEADOW HOMES ELEMENTARY SCHOOL

1371 Detroit Ave **Concord** **California**

MARK	DATE	DESCRIPTION REVISIONS	BY

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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CARROLL ENGINEERING
engineers and surveyors
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SUITE 'A' 184
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PHONE: 408-261-0595
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e-mail: info@carroll-engineering.com

SHEET 2 OF 7 SHEETS

JOB NO. 3052

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EXISTING BUILDING
43.50 F.F. ±

EXISTING BUILDING
43.54 F.F. ±

EXISTING BUILDING
43.64 F.F. ±

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
42.82 F.F. ±

EXISTING BUILDING
43.32 F.F. ±

EXISTING BUILDING
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EXISTING BUILDING
42.84 F.F. ±

EXISTING BUILDING
43.33 F.F. ±

EXISTING BUILDING
43.53 F.F. ±

EXISTING BUILDING
38.88 F.F. ±

EXISTING BUILDING
40.76 F.F. ±

EXISTING BUILDING
40.82 F.F. ±

EXISTING BUILDING
42.66 F.F. ±

EXISTING BUILDING
39.14 F.F. ±

UNMARKED GAS IN AREA

UNMARKED WATER AND GAS IN AREA

0 5 10 20 Feet
1"=10'

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave **Concord** **California**

MARK	DATE	DESCRIPTION REVISIONS	BY

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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Email: info@carroll-engineering.com

SHEET
3
OF 7 SHEETS

JOB NO. 3052

Construction Contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property, that this requirement shall be made to apply continuously and not be limited to normal working hours, and contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

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EXISTING BUILDING
43.64 F.F. ±

EXISTING BUILDING
43.48 F.F. ±

EXISTING BUILDING
43.32 F.F. ±

EXISTING BUILDING
43.47 F.F. ±

EXISTING BUILDING
43.33 F.F. ±

EXISTING BUILDING
43.53 F.F. ±

EXISTING BUILDING
40.82 F.F. ±

EXISTING BUILDING
42.66 F.F. ±

UNMARKED GAS IN AREA

UNMARKED WATER AND GAS IN AREA

UNMARKED GAS IN AREA

UNMARKED GAS IN AREA

0 5 10 20 Feet
1"=10'

MARK	DATE	DESCRIPTION REVISIONS	BY

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave
Concord **California**

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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EMAIL: RHOP@carroll-engineering.com

SHEET
4
OF 7 SHEETS

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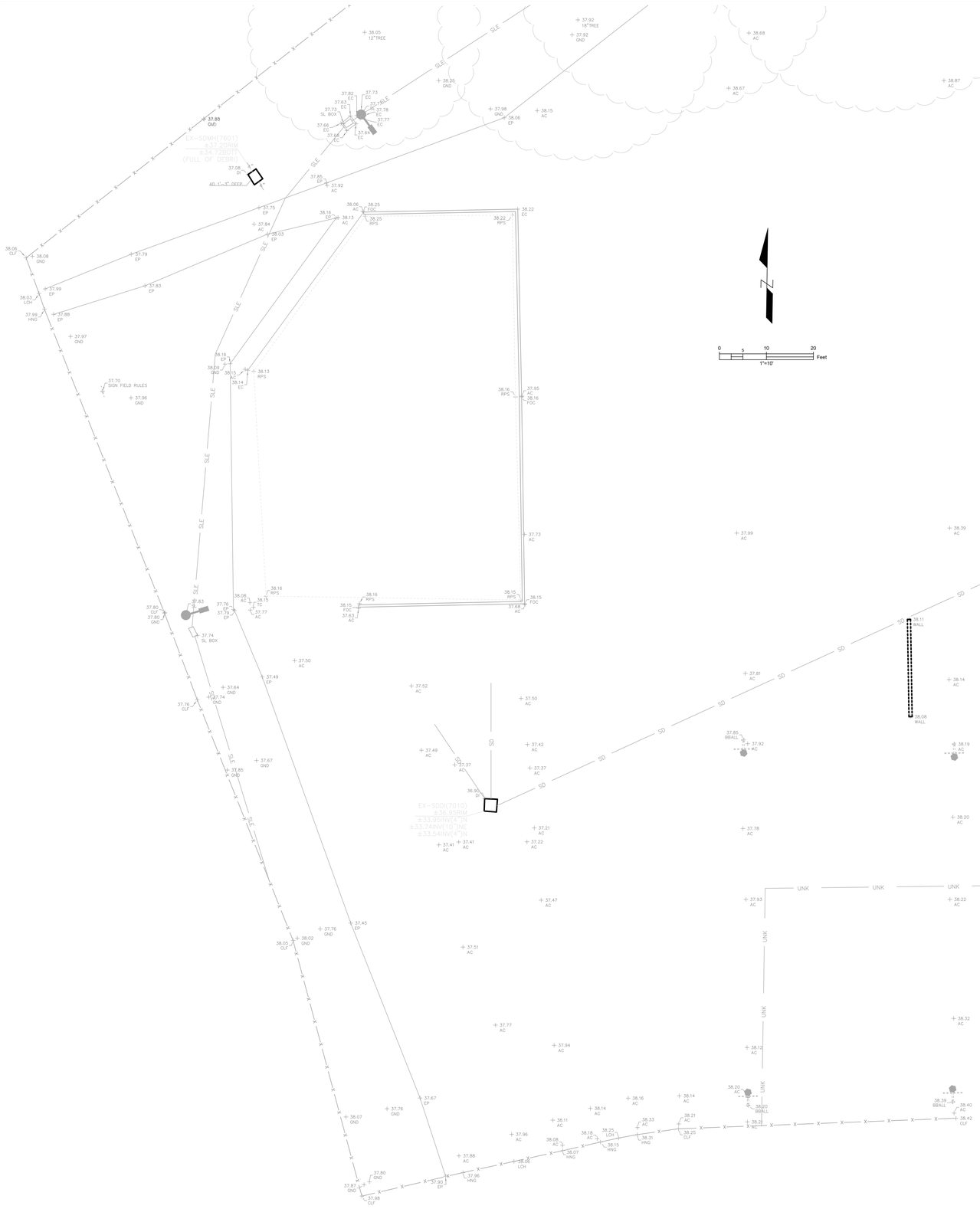
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±34.72BOTT(6")S
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EX-SDDI(7010)
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±33.74INW(10")NE
±33.54INW(4")W
EX-SDMH(7602)
±37.20RIM
±34.72BOTT(6")S
EX-SDDI(7011)
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±33.74INW(10")NE
±33.54INW(4")W
EX-SDDI(7012)
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±33.54INW(4")W
EX-SDDI(7013)
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EX-SDDI(7014)
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EXISTING BUILDING
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EXISTING BUILDING
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UNMARKED GAS IN AREA

UNMARKED WATER IN AREA

UNMARKED WATER AND GAS IN AREA

NO ACCESS

NO SIGNAL

SIGNAL LOST

0 5 10 20 Feet
1"=10'

TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave
Concord California

MARK	DATE	DESCRIPTION	BY
		REVISIONS	

DATE: 11/30/2023
SCALE: 1"=10'
DRAWN BY: PCW
DESIGNED BY:
CHECKED BY: MM

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SHEET
6
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JOB NO. 3052

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EXISTING BUILDING
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TRANSFORMER

GAS MAIN

TRANSFORMER

ABANDONED?

WATER VALVET

UNMARKED GAS IN AREA

UNMARKED WATER AND GAS IN AREA

UNMARKED GAS IN AREA

UNMARKED GAS IN AREA

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SIGNAL LOST

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SIGN RESERVED OFFICE STAFF

SIGN RESERVED OFFICE STAFF

SIGN RESERVED OFFICE STAFF

SIGN STAFF PARKING

SIGN PARK RULES

EMPTY

EMPTY

20" TREE

14" TREE

6" TREE

14" TREE

N

0 5 10 20 Feet
1"=10'

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TOPOGRAPHIC SURVEY
MEADOW HOMES ELEMENTARY SCHOOL
1371 Detroit Ave
Concord **California**

DATE: 11/30/2023
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CHECKED BY: MM

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SHEET
7
OF 7 SHEETS

JOB NO. 3052

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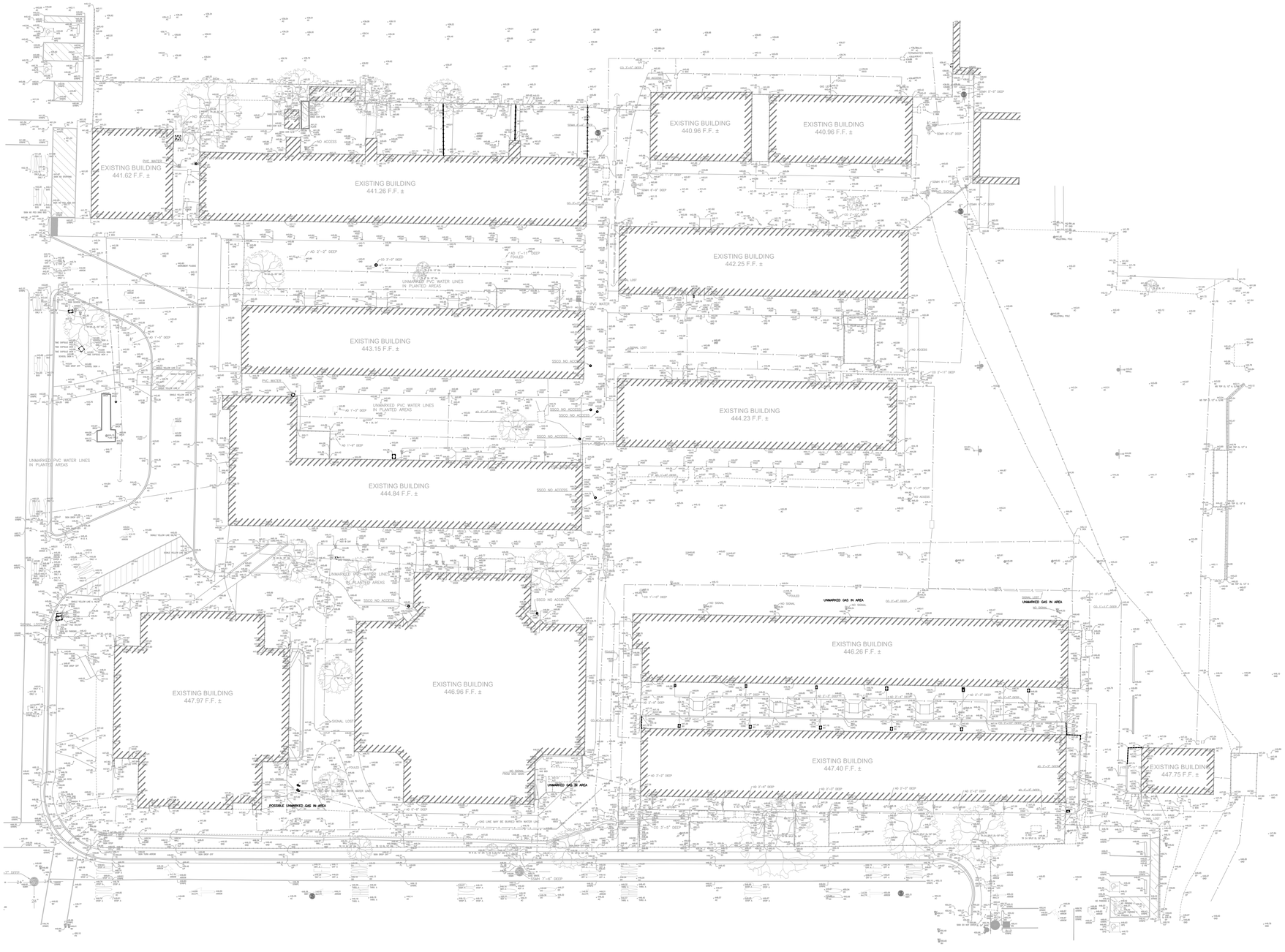
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UNMARKED PVC WATER LINES IN PLANTED AREAS
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POSSIBLE UNMARKED GAS IN AREA
GAS LINE MAY BE BURIED WITH WATER LINE
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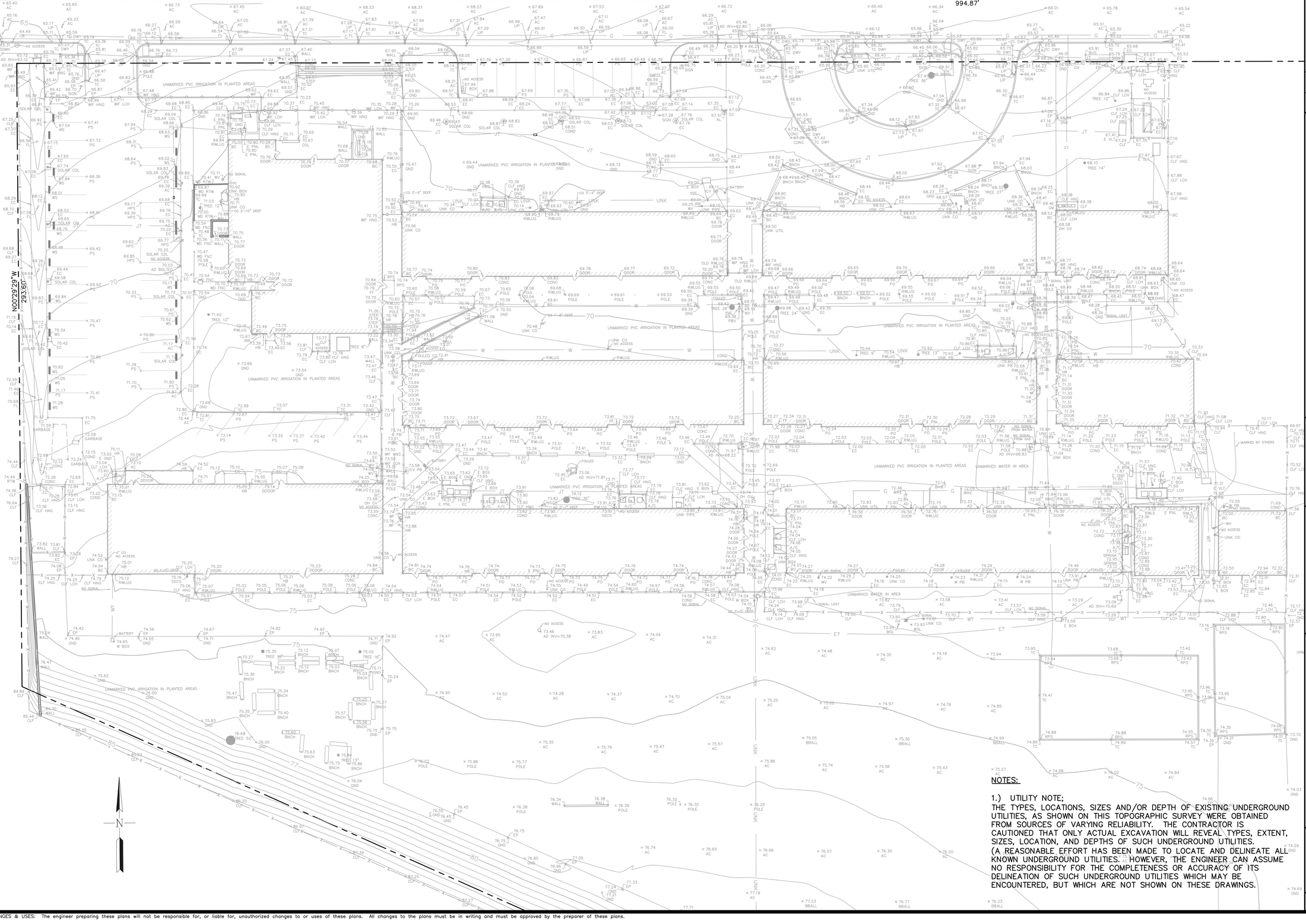

NOTES:

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MARK	DATE	DESCRIPTION	BY
		REVISIONS	

TOPOGRAPHIC SURVEY
RIO VISTA ELEMENTARY SCHOOL
611 Pacifica Ave
Bay Point **California**

LICENSED LAND SURVEYOR — PHILIP C. WOOTTON — No. 8398 — STATE OF CALIFORNIA

DATE: 11/20/2023
SCALE: 1"=20'
DRAWN BY: WAK
DESIGNED BY:
CHECKED BY: PCW

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E-MAIL: RobertMcarroll-engineering.com

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1/2

JOB NO. 3054

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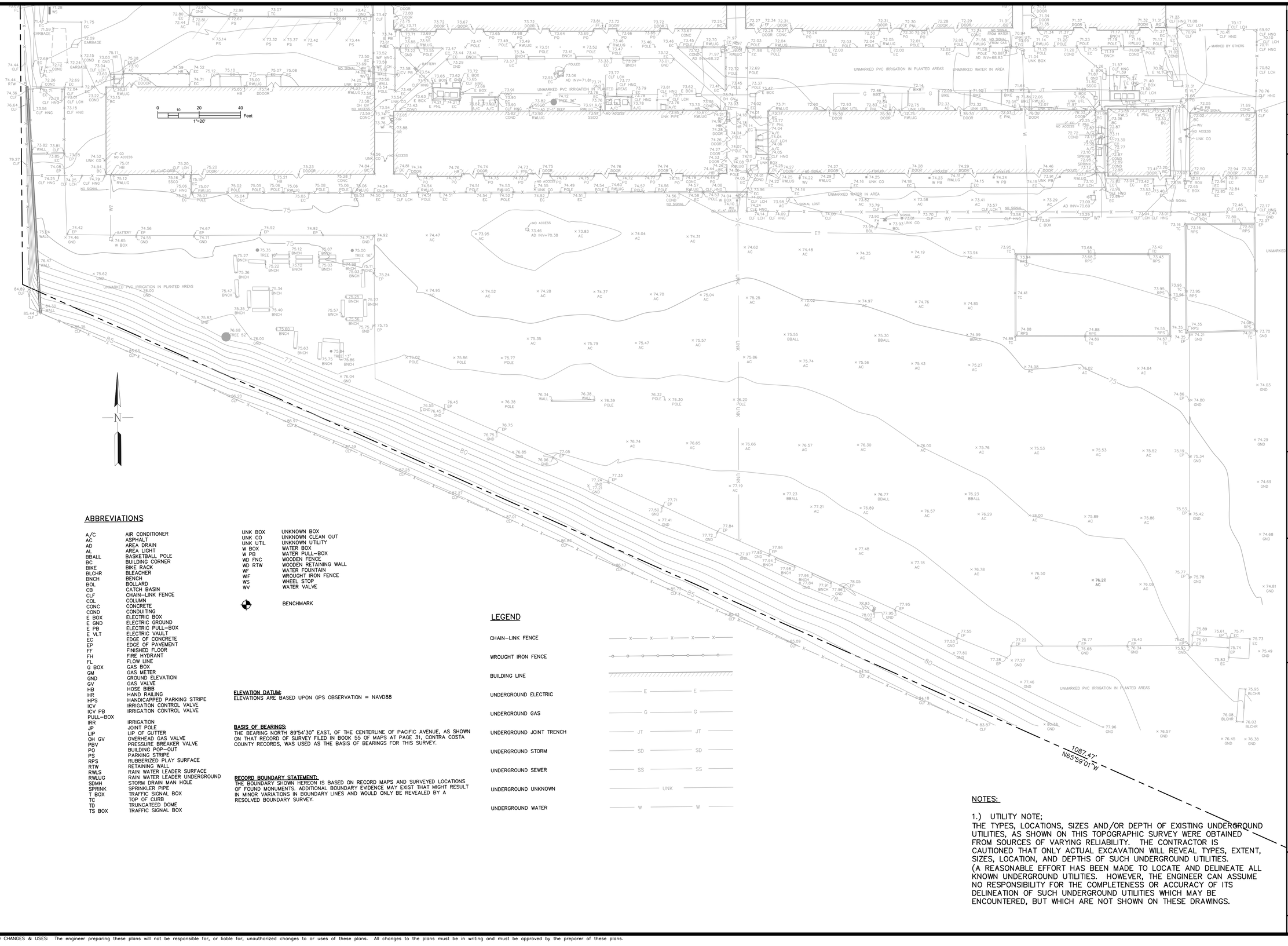

ABBREVIATIONS

A/C	AIR CONDITIONER
AC	ASPHALT
AD	AREA DRAIN
AL	AREA LIGHT
BBALL	BASKETBALL POLE
BC	BUILDING CORNER
BIKE	BIKE RACK
BLCHR	BLEACHER
BNCH	BENCH
BOL	BOLLARD
CB	CATCH BASIN
CLF	CHAIN-LINK FENCE
COL	COLUMN
CONC	CONCRETE
COND	CONDUITING
E BOX	ELECTRIC BOX
E GND	ELECTRIC GROUND
E PB	ELECTRIC PULL-BOX
E VLT	ELECTRIC VAULT
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FL	FLOW LINE
G BOX	GAS BOX
GM	GAS METER
GND	GROUND ELEVATION
GV	GAS VALVE
HB	HOSE BIBB
HR	HAND RAILING
HPS	HANDICAPPED PARKING STRIPE
ICV	IRRIGATION CONTROL VALVE
ICV PB PULL-BOX	IRRIGATION CONTROL VALVE
IRR	IRRIGATION
JP	JOINT POLE
LIP	LIP OF GUTTER
OH GV	OVERHEAD GAS VALVE
PBV	PRESSURE BREAKER VALVE
PO	BUILDING POP-OUT
PS	PARKING STRIPE
RPS	RUBBERIZED PLAY SURFACE
RTW	RETAINING WALL
RWLS	RAIN WATER LEADER SURFACE
RWLUG	RAIN WATER LEADER UNDERGROUND
SDMH	STORM DRAIN MAN HOLE
SPRINK	SPRINKLER PIPE
T BOX	TRAFFIC SIGNAL BOX
TC	TOP OF CURB
TD	TRUNCATED DOME
TS BOX	TRAFFIC SIGNAL BOX

UNK BOX	UNKNOWN BOX
UNK CO	UNKNOWN CLEAN OUT
UNK UTIL	UNKNOWN UTILITY
W BOX	WATER BOX
W PB	WATER PULL-BOX
WD FNC	WOODEN FENCE
WD RTW	WOODEN RETAINING WALL
WF	WATER FOUNTAIN
WIF	WROUGHT IRON FENCE
WS	WHEEL STOP
WV	WATER VALVE

BENCHMARK

ELEVATION DATUM:
ELEVATIONS ARE BASED UPON GPS OBSERVATION = NAVD88

BASIS OF BEARINGS:
THE BEARING NORTH 89°54'30" EAST, OF THE CENTERLINE OF PACIFIC AVENUE, AS SHOWN ON THAT RECORD OF SURVEY FILED IN BOOK 55 OF MAPS AT PAGE 31, CONTRA COSTA COUNTY RECORDS, WAS USED AS THE BASIS OF BEARINGS FOR THIS SURVEY.

RECORD BOUNDARY STATEMENT:
THE BOUNDARY SHOWN HEREON IS BASED ON RECORD MAPS AND SURVEYED LOCATIONS OF FOUND MONUMENTS. ADDITIONAL BOUNDARY EVIDENCE MAY EXIST THAT MIGHT RESULT IN MINOR VARIATIONS IN BOUNDARY LINES AND WOULD ONLY BE REVEALED BY A RESOLVED BOUNDARY SURVEY.

LEGEND

CHAIN-LINK FENCE
WROUGHT IRON FENCE
BUILDING LINE
UNDERGROUND ELECTRIC
UNDERGROUND GAS
UNDERGROUND JOINT TRENCH
UNDERGROUND STORM
UNDERGROUND SEWER
UNDERGROUND UNKNOWN
UNDERGROUND WATER

NOTES:

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		REVISIONS	

TOPOGRAPHIC SURVEY
RIO VISTA ELEMENTARY SCHOOL
611 Pacifica Ave
Bay Point California

LICENSED LAND SURVEYOR WILLIAM A. WOLTON No. 8398 STATE OF CALIFORNIA

DATE: 11/20/2023
SCALE: 1"=20'
DRAWN BY: WAK
DESIGNED BY:
CHECKED BY: PCW

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JOB NO. 3054

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Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
246 30th Street, Ste. 102, Oakland, CA 94611

ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Meadow Homes Elementary School
1371 Detroit Ave.,
Concord, CA 94520

Prepared for:

Mount Diablo Unified School District
Ms. Melanie Koslow
Director of Facilities & Bonds
Maintenance & Operations
1480 Gasoline Alley
Concord, CA 94520

Enviro-S.T.A.R. Project No. 23-419
September 7, 2023

Prepared by:



Ralph P. Guzman
Certified Asbestos Consultant #93-0965
CDPH: #I/A, #4063 PM #4064

Telephone: (510) 568-5996 *Fax: (510) 568-7993*

TABLE OF CONTENTS

1.0 Introduction 1

2.0 Asbestos Sampling Methodology 1

3.0 Asbestos Laboratory Analytical Methods 2

4.0 Interpretation of Results 2

5.0 Asbestos Material Categories 2

6.0 Asbestos Laboratory Results 3

7.0 Applicable Regulatory Agencies 6

8.0 Lead-Based Paint Survey & Laboratory Analytical Results 7

9.0 Lead-Based Paint Results 7

10.0 Lead in Ceramic Tile Results 8

11.0 Conclusions & Recommendations 9

Attachments: - Asbestos Bulk Sample Laboratory Report & Chain-of-Custody Sheet
- Lead in Paint Sample Laboratory Report & Chain-of-Custody Sheet
- Lead in Ceramic Tile Sample Laboratory Report & Chain-of-Custody Sheet

ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Meadow Homes Elementary School
1371 Detroit Ave.,
Concord, CA 94520

1.0 Introduction

Enviro-STAR, Inc., is pleased to submit the Asbestos-Containing Materials (ACM's) and Lead in Paint survey conducted at Meadow Homes Elementary School, located at 1371 Detroit Ave., Concord, CA 94520. The purpose of the survey was to inspect and collect suspect asbestos and lead in paint samples of the materials subject to disturbance during the planned school renovation work. The survey was conducted on September 7, 2023.

The survey focused on the collection of the following building construction materials for the presence of asbestos and lead:

- Vinyl floor tiles & associated mastic;
- Linoleum;
- Vinyl sheeting;
- Vinyl base cove & adhesive;
- Drywall & taping mud;
- Ceramic tile grout;
- Ceiling acoustical tiles;
- Ceiling tile adhesive;
- Window putty; and
- Carpet glue.

The renovation work will entail the removal and/or disturbing the materials listed above, throughout the school classrooms and ancillary facilities.

A total of thirty-one (31) suspect asbestos materials were collected, that include: vinyl floor tile and associated mastics, linoleum, window putty, drywall texture skim coat, drywall taping mud, and ceiling tiles.

Additionally, ten (10) representative paint samples were collected from various painted components.

Ceramic tile was collected from the Admin Office Unit-sex restroom and analyzed for lead content.

2.0 Asbestos Sampling Methodology

Representative asbestos bulk samples were collected from the materials identified above. Sampling of the suspected ACM was performed in a manner that is consistent with industry standards. The samples were collected using hand tools which are routinely decontaminated between each sampling to prevent

cross contamination. The individual samples were placed into a separate, clean ziploc sample bags and assigned a unique sample identification number. The number and type of sample collected was chosen in a "manner sufficient to determine" asbestos content for the materials subject to being disturbed during the renovation and reconstruction activities.

3.0 Asbestos Laboratory Analytical Method

Material identification of the suspect asbestos samples was performed by EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA, using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the U.S. EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July, 1993).

4.0 Interpretation of Results

None Detected

When "None Detected" appears on a report, it means that asbestos was not observed and that, if present, it exists in concentrations less than the limit of reliable detection (< 1%) and/or the fiber dimensions are too small for accurate optical microscopic resolution by normal PLM methodology.

Trace Asbestos

Reported results are the microscopist's visual estimate by area of asbestos concentration. These estimates are then formulated into results given in percent of asbestos by weight. Results for heterogeneous samples examined by component are reported as a composite. For example, if sheetrock joint compound percentage was 2-3% asbestos, the composite result may be reported as <1% (Trace), asbestos for the sheetrock system. The lower limit of reliable detection for the PLM method is 1%. Samples which contain more than 1% asbestos are reported in 1% ranges.
Samples which contain asbestos in a concentration lower than the limit of reliable detection (<1%) are reported as <1% (Trace) asbestos. For a lower limit of detection, "point counting" gravimetry is used. This method is described below.

Point Counting

Bay Area Air Quality Management District (BAAQMD) require point counting results to be reported on their removal notifications for certain materials with PLM results of less than 10% asbestos or assume these materials are ACM. Point counting is conducted by the EPA Method 600/R-93/116 or 600/M4-82-020. This method involves ashing the sample in a furnace and then re-weighing it to determine the amount of material lost on ignition. Acidified water is added and the sample is ultrasonicated to break up solid materials. This material is then filtered, dried, weighed and the filter residue is then analyzed by PLM. Laboratory protocol states that the limit of detection for point counting using 1000 points, is 0.10 area estimates. This point count is then multiplied by the reduction factor (RF) to obtain the actual percentage of asbestos. Percentage levels of 0.1% or greater up to 1%, are considered to be Asbestos Containing Construction Materials (ACCM) by Cal/OSHA.

5.0 Asbestos Material Categories

Federal regulations provide "categories" to classify asbestos material types. In California, Air Quality Management Districts require ACM be listed by category in their notification forms. Table 1 below,

which provides the asbestos sampling results, also provides categories for these materials.

The **Regulated Asbestos Containing Material (RACM)** category designation is for friable asbestos, sprayed on or troweled-on surfacing, fireproofing or thermal system insulation (TSI).

The **Category I** designation is used for non-friable materials such as: tar based roofing, mastics, putties, paints, vinyl floor tile and resilient sheet flooring (excepting the friable paper backing). Note vinyl floor Tile and associated mastic are considered to be friable by some mechanical removal or demolition means.

The **Category II** designation is used for certain other types of non-friable materials such as: Transite pipe and panels, cementitious products, gaskets, clapboard, siding shingles, or any non-friable materials that would be rendered friable by mechanical means during removal. Category I materials may be demolished in place depending upon the means of demolition.

6.0 Asbestos Laboratory Results

According the laboratory analysis results (see Table I) the following materials were analyzed as containing asbestos:

- Interior window putty,
- Drywall texture skim coat,
- Drywall taping mud, and
- Black mastic.

The following materials were analyzed as Asbestos not detected:

- 12" x 12" gray vinyl floor tile & mastic;
- Plaster & skim coat;
- Window putty;
- 12" x 12" nailed acoustical tile;
- 12" x 12" acoustical tile & adhesive;
- Vinyl base cove & adhesive; and
- Leveling compound.

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0907-01	Room #1 - Floor	12" 12" gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0907-02	Room #1 - Interior window	Putty	ND	n/a

TABLE I ASBESTOS SAMPLING RESULTS				
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**
0907-03	Room #1 - Upper wall, near rear door	Plaster & skim coat	Plaster: ND Skim coat: ND	n/a n/a
0907-04	Room #2 - Floor	12" 12" gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
*0907-05	Room #2 - Interior window	Putty	ND	n/a
0907-06	Admin Office - Floor	12" 12" gray vinyl tile & yellow glue	Tile: ND Mastic: ND	n/a n/a
0907-07	Admin Office - Ceiling	12" x 12" nailed perforated acoustical tile	ND	n/a
0907-08	Admin Office - Floor	Black vinyl base cove	ND	n/a
*0907-09	Admin Office - Interior window	Putty	**<1% Chry	Assumed RACM
0907-10	Library Office - Wall	Texture skim coat	**2% Chry**	I
0907-11	Library Office #1- Wall	Taping mud	**2% Chry**	I
0907-12	Library - E. Wing - Ceiling	Brn. Tile adhesive	ND	n/a
0907-13	Library - E. Wing - Ceiling	White plaster-like substrate	ND	n/a
0907-14	Library - E. Wing - Floor	Black mastic under carpet	**<1% Chry**	Assumed I
0907-15	Library - E. Wing - Floor	Residual base cove adhesive	ND	n/a
0907-16	Room #5- Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a

TABLE I ASBESTOS SAMPLING RESULTS				
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**
0907-17	Room #6- Floor	12" x 12" Lt. Gray vinyl tile & yellow glue	Not analyzed	---
0907-18	Room #7- Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-19	Room #14 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-20	Room #14 - Wall	Plaster & skim coat	ND	n/a
0907-21	Room #13 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-22	Room #12 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-23	Room #11 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-24	Room #10 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-25	Teacher's lounge - Floor	12" x 12" Lt. Gray vinyl tile & yellow glue	Not analyzed	---
0907-26	Multi-Use Bldg. - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0907-27	Multi-Use Bldg. - Floor, ladder storage under stage	Residual leveling compound	ND	n/a
0907-28	Room #19 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0907-29	Room #18 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---
0907-30	Room #16 - Floor	12" x 12" Lt. Gray vinyl tile & Yellow glue	Not analyzed	---
0907-31	Room #15 - Floor	12" x 12" Lt. Gray vinyl tile & black mastic	Not analyzed	---

Footnotes:
Method of Analysis - (PLM) Polarized Light Microscopy EPA/600/R-93/116, 1993.
Chry - Chrysotile Asbestos
Note: Several 12" x 12" gray vinyl floor tile samples were not analyzed. This was due to the tile being homogeneous to other vinyl tile that was analyzed as None Detect for asbestos.

* According to EPA's asbestos sampling and interpretation of results "when a homogeneous material tests positive for asbestos, all similar materials are assumed to contain asbestos, even if reported as None Detect for asbestos".

**According to NESHAP regulations, refer to this report: Section 4.0 Interpretation of Results, Point Counting, samples with a result of <10% are considered RACM unless "point count" analysis determines the result to be <1%.

7.0 Applicable Regulatory Agencies

The United States Environmental Protection Agency (USEPA) classifies a building material as asbestos-containing when the material is found to contain asbestos in quantities of greater than one-percent (>1%) by weight. This classification is the same as Cal-OSHA's (State of California-Occupational Safety and Health Administration) definition of an **Asbestos-Containing Material (ACM).** However, Cal-OSHA has an additional classification for manufactured materials found to contain asbestos in quantities between 0.1% to 1% (one tenth to one percent) by weight. According to Cal-OSHA's Asbestos Construction Standard CCR Title 8, Section 1529 this material is classified as **"Asbestos-Containing Construction Material (ACCM)"**.

Cal-OSHA and Bay Area Air Quality Management District (BAAQMD) require notification if the ACM will be disturbed in quantities set forth by these respective agencies. Additionally, Cal-OSHA classification of manufactured building materials as ACM and/or ACCM (when the ACCM will be disturbed by renovation activities and in quantities of greater than one hundred (100) feet requires removal of the ACCM to be performed by a contractor who is a DOSH registered asbestos contractor. The ACM / ACCM removal work must be performed utilizing appropriate work practices,

proper engineering controls, respirator protection and workers under medical surveillance, with the appropriate medical an training certificates.

8.0 Lead-Based Paint Survey

Ten (10) representative paint chip samples were collected from various components subject to disturbance during the renovation construction phases. The samples were delivered to EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA 94577. The samples were analyzed by Flame Atomic Absorption Spectrometry with EPS's "Standard Operating Procedures for Lead in Paint by Hotplate, or, Microwave-based Acid digestion and Atomic Absorption or inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213. NDIS Document No. PB92-114172.

9.0 Lead-Based Paint Results

California Department of Public Health (CDPH) and the US Environmental Protection Agency (USEPA) defines LBP as *"paint or other surface coatings that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or equal to or in excess of half of one percent (0.5%); or equal to or in excess of 5,000 ppm (parts per million)".* Detectible lead below these levels are known as LCP.

According to the laboratory results seven (7) paint samples were identified as Lead-Based Paint (LBP) ; three (3) were reported as Lead-Containing Paint (LCP) other two were analyzed at "below the limit of detection", as noted in Table II.

TABLE II
PAINT CHIP SAMPLE RESULTS

Sample No.	Location	Description	Results	
			Weight Percent (%)	ppm
0907-01Pb	Room #1 - Interior window frame	Yellow paint	**0.58**	**5,800**
0907-02Pb	Room #1 - Exterior window frame	Green paint	*0.24*	*2,400*
0907-03Pb	Room #1 - Rear door, wooden stop	Yellow paint	**1.0**	**10,000**
0907-04Pb	Room #1 - Rear exterior window frame	Green paint	*0.27*	*2,700*
0907-05Pb	Library- interior window frame	Yellow paint	*0.37*	*3,700*
0907-06Pb	Room #14- West exterior wall, plywood	Yellow paint	*0.25*	*2,500*
0907-07Pb	Room #14- Interior window frame	White paint	*0.23*	*2,300*

TABLE II PAINT CHIP SAMPLE RESULTS				
Sample No.	**Location**	**Description**	**Results** **Weight Percent (%)**	**ppm**
0907-08Pb	Room #14 - Exterior window frame	green paint	*0.16*	*1,600*
0907-09Pb	Room #19- Interior door wood trim	White paint	*0.43*	*4,300*
0907-10Pb	Room #15- interior window frame	White paint	*0.29*	*2,900*

Footnotes:

A. Method of Analysis - Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NTIS Document No. PB92-114172.

Bold denotes LBP!
Italics denotes LCP **Bold denotes LBP!**
Italics denotes LCP

10.0 Lead in Ceramic Tile Results

Ceramic wall tile samples were collected from the Administration Office Uni-sex restroom and analyzed for the presence of lead. The sample was analyzed by EMSL Analytical. According to the laboratory, the ceramic tile TTLC was reported as containing lead above 50 ppm. The sample was characterized for lead to determine proper disposal method. The waste characterization may entail several analytical procedures to determine if the waste is: Construction debris; California Restricted waste; or, RCRA (Resource, Conservation, and Recovery Act) federal waste. Listed below are the limits of the analytical procedures:

- TTLC (Total Threshold Limit Concentration): 1,000 ppm is considered RCRA federal waste. DTSC requires additional analysis for samples with results above 50 ppm but below 1,000 ppm;
- STLC (Soluble Threshold Limit Concentration): 5 mg/L; and
- TCLP (Toxicity Characteristic Leaching Procedure): 5mg/L.

TABLE III LEAD IN CERAMIC TILE SAMPLE RESULTS			
Sample No.	**Location**	**Description**	**Results**
TTLC			**mg/Kg**
0909-01CT	Administration Office, Uni-sex restroom - Wall	4" x 4" yellow ceramic tile	113
STLC			**mg/L**
0909-01CT	Administration Office, Uni-sex restroom - Wall	4" x 4" yellow ceramic tile	**5.88**
TCLP			**mg/L**
0909-01CT	Administration Office, Uni-sex restroom - Wall	4" x 4" yellow ceramic tile	<0.40

11.0 Conclusions and Recommendations:

Asbestos:

- The drywall with taping mud and the window putty are considered friable, hence, if "point count" re-analysis is not performed, these materials are RACM and must be reported to BAAQMD..

- Cal/OSHA's CCR Title 8, Section 1529 - Asbestos in Construction considers the drywall with asbestos taping mud, vinyl tile and mastic removal as Class II type of abatement work. The work must be performed within a negative pressure enclosure with a two-stage personnel decontamination system contiguous to the containment.

- Should the abatement of the vinyl floor tile and/or mastic be performed using "mechanical means", BAAQMD considers this material RACM and must be notified ten days in advance of the abatement work.

- The work should be over-seen by a Certified Asbestos Consultant to ensure regulatory compliance; provide the necessary inspections; the collection of perimeter air samples; conduct final visual inspection and the collection of final air clearances, prior to releasing the area to other contractors.

Lead in Paint:

- Lead-Based Paint (LBP) was identified on interior and exterior painted components as noted on Table II, above. Lead-Containing Paint (LCP) was also identified on

several painted components.

- The disturbance of LBP & LCP is regulated by Cal/OSHA's Title 8, California Code of Regulations (CCR) 1532.1 - Lead in Construction Standard. These requirements include, but not limited to, employee training, employee air monitoring, biological monitoring, dust control and the use of safe work practices.

- California Department of Public Health (CDPH), Title 17, California Code of Regulations, Division 1, Chapter 8: Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards, also regulates the abatement of components coated with LBP. These requirements Training, certification and proper work practices.

- Department of Toxic Substances Control (DTSC) regulates the disposal of hazardous waste and requires characterization of LBP and LCP components that contain greater than 50 ppm of lead by TTLC analysis, prior to disposal. The analytical characterization determines if the waste will be disposed of as either: construction waste; California Restricted Hazardous Waste or Federal (RCRA) Waste.

- The ceramic tile (4" x 4" yellow ceramic tile) collected from the Administration Office Uni-Sex restroom wall was submitted for TTLC analysis. The lab reported the result at 113 mg/kg. Sample results above 50 mg/kg require additional testing. The sample was re-analyzed by STLC and was reported at 5.88 mg/L. Levels above 5.0 mg/L are considered to be California Restricted Hazardous Waste. This sample was also analyzed by TCLP with a result of <0.40 mg/L. The TCLP threshold is 5.0 mg/L, hence, not a federal waste. All similar ceramic tile subject to disturbance should be treated, handled and disposed of as California Restricted Hazardous Waste.

Should you have any questions of require further assistance, please do not hesitate to contact me at (925) 285-3717.

Sincerely,



Ralph P. Guzman
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Certified Asbestos Consultant #93-0965
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ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mt. Diablo Unified School District
Mt. Diablo Elementary School
Entire School
5880 Mt. Zion Drive
Clayton, CA 94517

Prepared for:

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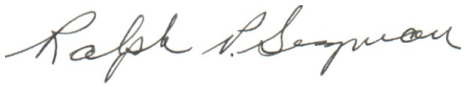
Enviro-S.T.A.R. Project No. 23-416
September 5, 2023

Prepared by:



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B - Lead Paint Sample Laboratory Report & Chain-of-Custody Sheet

ASBESTOS & LEAD-BASED PAINT
PRE-RENOVATION SURVEY REPORT

Mt. Diablo Unified School District
Mt. Diablo Elementary School
Entire School
5880 Mt. Zion Drive
Clayton, CA 94517

1.0 Introduction

Enviro-STAR, Inc., is pleased to submit the Asbestos-Containing Materials (ACM's) & Lead-Based paint (LBP) survey conducted at Mt. Diablo Elementary School, located at 5880 Mt. Zion Dr., Clayton, CA 94517. The inspection entailed visually inspecting and the collection of both suspect Asbestos-Containing Materials (ACM's) and Lead-Based Paint (LBP) from various materials subject to being disturbed during the planned renovation work. The survey was conducted on September 5, 2023.

The survey focused on the collection of the following building construction materials for the presence of asbestos and lead:

- Vinyl floor tiles & associated mastic;
- Linoleum;
- Vinyl sheeting;
- Vinyl base cove & adhesive;
- Drywall & taping mud;
- Ceramic tile grout;
- Ceiling acoustical tiles;
- Ceiling tile adhesive;
- Window putty; and
- Carpet glue.

The renovation work will entail the removal and/or disturbing flooring materials, windows, ceilings, doors and frames throughout the school classrooms and ancillary facilities.

A total of twenty-five (25) suspect asbestos materials were collected, that include: vinyl floor tile and associated mastics, linoleum, window putty, drywall texture skim coat, drywall taping mud, and ceiling tiles.

Additionally, five (5) representative paint samples were collected from various painted components.

2.0 Asbestos Sampling Methodology

Representative asbestos bulk samples were collected from the materials identified above. Sampling of the suspected ACM was performed in a manner that is consistent with industry standards. The samples were collected using hand tools which are routinely decontaminated between each sampling to prevent

cross contamination. The individual samples were placed into a separate, clean ziploc sample bags and assigned a unique sample identification number. The number and type of sample collected was chosen in a "manner sufficient to determine" asbestos content for the materials subject to being disturbed during the renovation and reconstruction activities.

3.0 Asbestos Laboratory Analytical Method

Material identification of the suspect asbestos samples was performed by EMSL Analytical Inc., 464 McCormick St., San Leandro, CA 94577, using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the U.S. EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July, 1993).

4.0 Interpretation of Results

None Detected
When "None Detected" appears on a report, it means that asbestos was not observed and that, if present, it exists in concentrations less than the limit of reliable detection (< 1%) and/or the fiber dimensions are too small for accurate optical microscopic resolution by normal PLM methodology.

Trace Asbestos

Reported results are the microscopist's visual estimate by area of asbestos concentration. These estimates are then formulated into results given in percent of asbestos by weight. Results for heterogeneous samples examined by component are reported as a composite. For example, if sheetrock joint compound percentage was 2-3% asbestos, the composite result may be reported as <1% (Trace), asbestos for the sheetrock system. The lower limit of reliable detection for the PLM method is 1%. Samples which contain more than 1% asbestos are reported in 1% ranges.
Samples which contain asbestos in a concentration lower than the limit of reliable detection (<1%) are reported as <1% (Trace) asbestos. For a lower limit of detection, "point counting" gravimetry is used. This method is described below.

Point Counting

Bay Area Air Quality Management District (BAAQMD) require point counting results to be reported on their removal notifications for certain materials with PLM results of less than 10% asbestos or assume these materials are ACM. Point counting is conducted by the EPA Method 600/R-93/116 or 600/M4-82-020. This method involves ashing the sample in a furnace and then re-weighing it to determine the amount of material lost on ignition. Acidified water is added and the sample is ultrasonicated to break up solid materials. This material is then filtered, dried, weighed and the filter residue is then analyzed by PLM. Laboratory protocol states that the limit of detection for point counting using 1000 points, is 0.10 area estimates. This point count is then multiplied by the reduction factor (RF) to obtain the actual percentage of asbestos. Percentage levels of 0.1% or greater up to 1%, are considered to be Asbestos Containing Construction Materials (ACCM) by Cal/OSHA.

5.0 Asbestos Material Categories

Federal regulations provide "categories" to classify asbestos material types. In California, Air Quality Management Districts require ACM be listed by category in their notification forms. Table 1 below, which provides the asbestos sampling results, also provides categories for these materials.

The **Regulated Asbestos Containing Material (RACM)** category designation is for friable asbestos, sprayed on or troweled-on surfacing, fireproofing or thermal system insulation (TSI).

The **Category I** designation is used for non-friable materials such as: tar based roofing, mastics, putties, paints, vinyl floor tile and resilient sheet flooring (excepting the friable paper backing). Note vinyl floor Tile and associated mastic are considered to be friable by some mechanical removal or demolition means.

The **Category II** designation is used for certain other types of non-friable materials such as: Transite pipe and panels, cementitious products, gaskets, clapboard, siding shingles, or any non-friable materials that would be rendered friable by mechanical means during removal. Category I materials may be demolished in place depending upon the means of demolition.

6.0 Asbestos Laboratory Results

According the laboratory analytical results (see Table I) the following materials were identified as containing asbestos:

- Mosaic pattern linoleum;
- Drywall taping mud;
- Texture skim coat;
- 9" x 9" vinyl floor tile & associated mastic.

The following materials were analyzed as Asbestos not detected:

- All 12" x 12" vinyl floor tile & mastic;
- Interior window putty;
- 12" x 12" nailed acoustical tile;
- 12" x 12" acoustical tile & adhesive;
- Vinyl base cove & adhesive;
- Drywall taping (Multi-Use Bldg); and
- Texture skim coat (Multi-Use Bldg)

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0905-01	Rm. #3 - Floor	12" x 12" Lt. Gray vinyl tile	Tile: ND Mastic: ND	n/a n/a

TABLE I ASBESTOS SAMPLING RESULTS				
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**
0905-02	Rm. #3 - Interior window	Putty	ND	n/a
0905-03	Custodian's room - Ceiling	12" x 12" perforated "nailed" acoustical tile	ND	n/a
0905-04	Rm. #14 - Interior window	Putty	ND	n/a
0905-05	Rm. #14 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-06	Rm. #4 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-07	Rm. #5 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-08	Rm. #6 - Floor	12" x 12" Lt. Gray vinyl tile with blk. mastic	Tile: ND Mastic: ND	n/a n/a
0905-09	Rm. #16 - Floor	Tan/brn. Mosaic pattern linoleum	**20% Chry**	RACM
0905-10	Rm. #16 - Floor	Brn, vinyl base cove	Cove base: ND Adhesive: ND	n/a n/a
0905-11	Rm. #17 - Floor	Tan/brn mosaic pattern linoleum	**20% Chry**	RACM
0905-12	Rm. #17 - Floor	Brn. vinyl base cove	Cove base: ND Adhesive: ND	n/a n/a
0905-13	Rm. #10-B - Floor	9" x 9" brn. Vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-14	Admin Office, Principal's Office - Floor	12" x 12" lt. gray w/streaks & yellow glue	Tile: ND Mastic: ND	n/a n/a

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category
0905-15	Library - Floor	12" x 12" lt. gray w/streaks & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-16	Pod Center - Upper wall/ceiling	12" x 12" Acoustical tile w. brn. adhesive	Tile: ND Adhesive: ND	n/a n/a
0905-17	Pod, hall near Psychology Room - Upper wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	RACM
0905-18	Pod, hall near Psychology Room - Entry door wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	RACM
0905-19	Pod, hall near Psychology Room - Restroom floor	2nd layer: brn. 9" x 9" vinyl tile and black mastic	**Tile: 2% Chry** **Mastic: 5% Chry**	I I
0905-20	Multi-Use Bldg. -Band storage room- Floor	12" x 12" dark green vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-21	Multi-Use Bldg. -Band storage room- Floor	12" x 12" light green vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-22	Multi-Use Bldg. -Band storage room- Floor	12" x 12" beige w. specks vinyl tile & black mastic	Tile: ND Mastic: ND	n/a n/a
0905-23	Multi-Use Bldg. -Band storage room- Floor	Texture skim coat	ND	n/a
0905-24	Multi-Use Bldg. -Band storage room- Floor	Drywall & taping mud	Drywall: ND Taping mud: ND	n/a n/a
0905-25	Multi-Use Bldg. -Band storage room- Floor	2' x 4' lay-in acoustical tile	ND	n/a

Footnotes:
Method of Analysis - (PLM) Polarized Light Microscopy EPA/600/R-93/116, 1993.

7.0 Applicable Asbestos Regulatory Agencies

The United States Environmental Protection Agency (USEPA) classifies a building material as asbestos-containing when the material is found to contain asbestos in quantities of greater than one-percent (>1%) by weight. This classification is the same as Cal-OSHA's (State of California-Occupational Safety and Health Administration) definition of an **Asbestos-Containing Material (ACM).** However, Cal-OSHA has an additional classification for manufactured materials found to contain asbestos in quantities between 0.1% to 1% (one tenth to one percent) by weight. According to Cal-OSHA's Asbestos Construction Standard CCR Title 8, Section 1529 this material is classified as **"Asbestos-Containing Construction Material (ACCM)"**.

Cal-OSHA and Bay Area Air Quality Management District (BAAQMD) require notification if the ACM will be disturbed in quantities set forth by these respective agencies. Additionally, Cal-OSHA classification of manufactured building materials as ACM and/or ACCM (when the ACCM will be disturbed by renovation activities and in quantities of greater than one hundred (100) feet requires removal of the ACCM to be performed by a contractor who is a DOSH registered asbestos contractor. The ACM / ACCM removal work must be performed utilizing appropriate work practices, proper engineering controls, respirator protection and workers under medical surveillance, with the appropriate medical an training certificates.

8.0 Lead-Based Paint Survey & Laboratory Analytical Results

Five (5) paint samples were collected from representative painted interior & exterior components. The samples were delivered to EMSL Analytical, Inc. , 464 McCormick St., San Leandro, CA 94577, and analyzed by Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NDIS Document No. PB92-114172.

California Department of Public Health (CDPH) defines LBP as "paint or other surface coatings that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or more than half of one percent (0.5%) by weight or 5,000 ppm (parts per million)".

Lead-Containing Paint (LCP) is identified as “paint or other surface coatings that contain an amount of lead less than one milligram per square centimeter (<1.0 mg/cm^2) or less than half of one percent (<0.5%) by weight or <5,000 ppm (parts per million)”.

According to the laboratory results the yellow painted door frame in the Psychology Room was identified as Lead-Based Paint (LBP), see Table II, below. Three others were Lead-Containing Paint (LCP) and one was “below the limit of detection.

TABLE II PAINT CHIP SAMPLE RESULTS				
Sample No.	**Location**	**Description**	**Results** **Weight Percent (%)**	**ppm**
0905-01Pb	Room #3 - Exterior window metal frame	White Paint	*0.32*	*3,200*
0905-02Pb	Room #3 - Exterior window wood trim	White Paint	*0.37*	*3,700*
0905-03Pb	Room #3 - Interior window sill	White Paint	<0.018	<180
0905-04Pb	Pod - Psychology Room - Door frame	Yellow paint	**0.67**	**6,700**
0905-05Pb	Pd - Copy room - Door trim	Yellow paint	*0.45*	*4,500*

Footnotes:

A. Method of Analysis - Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NTIS Document No. PB92-114172.

Bold denotes LBP!
Italics denotes LCP

9.0 Findings and Recommendations:

Asbestos:

- Asbestos-containing linoleum flooring was identified in rooms #16 & #17 and asbestos-containing drywall taping mud was identified on the walls of the Pod..
- Both of these materials are regulated by BAAQMD and Cal/OSHA. BAAQMD considers both materials as RACM and this agency must be notified 10 days in advance of the removal. Cal /OSHA considers the removal of these materials as Class level II abatement work and must be removed within a Negative Pressure Enclosure (NPE) with a two-stage personnel decontamination unit contiguous to the work area.
- Vinyl asbestos tile was identified on the restroom floor (2nd layer) of the Pod Psychology Office restroom. The abatement of the tile and associated mastic is not regulated by BAAQMD, unless mechanical removal methods are used. However, it is regulated by Cal/OSHA as a Level II abatement task. And must be removed in a NPE.

Lead Paint:

- Lead-Based Paint (LBP) was identified on the Pod, Psychology Office door trim. Disturbance of this component and/or other similar components must be performed by California Department of Public Health trained and certified personnel in accordance with Title 17, CCR, Division 1, Chapter 8: Accreditation, Certification, and Work Practices For Lead-Based Paint and Lead Hazards.

- Cal/OSHA regulates all detectible lead in paint including LBP & LCP. Disturbance of components coated with lead paint, Cal/OSHA's Title 8 CCR, Lead in Construction Standard, Section 1532.1 must be adhered to including, but not limited to: worker training (Lead Awareness) , proper use of PPE (Personal Protective Equipment), work practices and personal air monitoring.

- California Department of Toxic Substances Control (DTSC) requires the waste characterization for lead of painted materials that contain equal to or greater than 50 ppm of lead. This is a legal requirement to determine how the waste will be disposed of, either as: a) Construction Waste; b) California Restricted Hazardous Waste; or, c) Federal (RCRA-Resource, Conservation, & Recovery Act) Waste.

  The waste characterization may entail three (3) distinct analytical procedures:

  1) TTLC (Total Threshold Limit Concentration): Less than 50ppp, not hazardous. 50 ppm or greater, but less than 1,000 proceed to STLC, if 1,000 ppm or greater the waste is RCRA hazardous waste, no further testing needed;

  2) STLC (Soluble Threshold Limit Concentration): <5mg/L not hazardous; >5 mg/L California Hazardous Restricted Waste. Proceed with TCLP;

  3) TCLP (Toxicity Characteristic Leaching Procedure) >5 mg/L Federal (RCRA) Waste.

Should you have any questions of require further assistance, please do not hesitate to contact me at (925) 285-3717.

Sincerely,

Ralph P. Guzman
BS, IH
Certified Asbestos Consultant (#93-0965)
CDPH: I/A, #4063 PM #4064 CDPH: I/A, #4063 PM #4064

Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
246 30th Street, Ste. 102, Oakland, CA 94611

Addenda to Abatement Scope of Work

The items listed below apply to Rio Vista Elementary School, Mt. Diablo Elementary School and Meadow Homes Elementary School, unless otherwise noted differently:.

- TSI (Thermal System Insulation) in the form of pipe insulation including lagging and mudded elbows. These are typically found in wall and ceiling cavities. The bidders shall provide unit cost based on linear feet;

- Exterior stucco walls - Bidders shall provide unit cost base on square feet. These walls tested positive for both asbestos and lead in paint. The asbestos was point counted and determined to be <1% Chrysotile. Lead concentration was at 850 ppm, which is regulated by Cal/OSHA's Title 8 CCR Section 1532.1 for worker training, protection and work practices. Waste characterization determined the paint to be non-hazardous and may be disposed of as non-friable asbestos waste.

  Note: Exterior paint samples to be collected at Mt. Diablo and Meadow Homes Elementary Schools. A revised addendum will be issued upon receipt of laboratory results.

- Clerestory windows and store front window paint was characterized and determined to be RCRA waste. Assume same results for the windows at Meadow Homes Elementary School.

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ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Rio Vista Elementary School
611 Pacifica Ave.
Bay Point, CA 94565

Prepared for:

Mount Diablo Unified School District
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Enviro-S.T.A.R. Project No. 23-436
September 18, 2023
&
February 16, 2024

Prepared by:



Ralph P. Guzman
Certified Asbestos Consultant #93-0965

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- Lead in Paint Sample Laboratory Report & Chain-of-Custody Sheet
- Lead in Ceramic Tile Laboratory Reports & Chain-of-Custody Sheet

ASBESTOS & LEAD IN PAINT SURVEY REPORT

Mount Diablo Unified School District
Rio Vista Elementary School
611 Pacifica Ave.
Bay Point, CA 94565

1.0 Introduction

Enviro-STAR, Inc., is pleased to submit the Asbestos-Containing Materials (ACM's) and Lead in Paint survey conducted at Rio Vista Elementary School, located at 611 Pacifica Ave., Bay Point, CA 94565. The purpose of the survey was to inspect and collect suspect asbestos and lead in paint samples of the materials subject to disturbance during the planned school renovation work. The survey was conducted on September 18, 27 & December 4, 2023.

A followup inspection was conducted on February 16, 2024 for the purpose of inspecting the electrical wiring of lighting fluorescent light fixtures for the presence of asbestos insulated electrical wiring The architectural plans, amongst other construction enhancement work, calls for the up-grading and replacement of the fluorescent light fixtures from building the interior building facilities. In two other school where the interior light fixtures were replaced some of the electrical wires in the fluorescent light fixtures were found to contain asbestos insulation. With this in mind, and the age of the school, Enviro-STAR recommended conducting a survey of several building light fixtures to visually determine if the wiring was suspect ACM and if necessary collect samples to ascertain the presence of asbestos.

The inspection was set for Friday April 16, 2004 at 1:00 pm. There were no children attending school with minimal personnel in the school.

Enviro-STAR met Mr. Mario Butay, MDUSD electrician, at Rio Vista ES. Mr. Butay was apprised of the planned construction renovation that included replacement of light fixtures. He was aware of the asbestos insulated wires found at Mt. Diablo High School. He was informed the same was true with Walnut Acres ES.

The approach to the inspection was to select three buildings (A, B & C) and randomly inspect several rooms. With the light switch off, Mr. Butay removed the light fixture lens cover, fluorescent light bulbs and the metal ballast/electrical wiring cover plate which allowed a close inspection of the electrical wiring.

All of the electrical wires were of newer vintage insulated with plastic sheathing.

Although every fixture was not inspected, the ones that were **did not** have asbestos insulated wires. It is fair to assume, based on the inspection findings, the likely hood of finding asbestos insulated wires is low. However, if, in the process of removing the light fixtures, should a a non-plastic sheathed wire be discovered, it should be treated as containing asbestos, until it is inspected and laboratory analyzed to determine otherwise.

The survey focused on the collection of the following building construction materials for the presence of asbestos and lead:

- Vinyl floor tiles & associated mastic;
- Linoleum;
- Vinyl sheeting;
- Vinyl base cove & adhesive;
- Drywall & taping mud;
- Ceramic tile grout;
- Ceiling acoustical tiles;
- Ceiling tile adhesive;
- Window putty; and
- Carpet glue.

2.0 Asbestos Sampling Methodology

Representative asbestos bulk samples were collected from the materials identified above. Sampling of the suspected ACM was performed in a manner that is consistent with industry standards. The samples were collected using hand tools which are routinely decontaminated between each sampling to prevent cross contamination. The individual samples were placed into a separate, clean ziploc sample bags and assigned a unique sample identification number. The number and type of sample collected was chosen in a "manner sufficient to determine" asbestos content for the materials subject to being disturbed during the renovation and reconstruction activities.

3.0 Asbestos Laboratory Analytical Method

Material identification of the suspect asbestos samples was performed by EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA, using Polarized Light Microscopy with Dispersion Staining (PLM/DS) in accordance with the U.S. EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July, 1993).

4.0 Interpretation of Results

None Detected

When "None Detected" appears on a report, it means that asbestos was not observed and that, if present, it exists in concentrations less than the limit of reliable detection (< 1%) and/or the fiber dimensions are too small for accurate optical microscopic resolution by normal PLM methodology.

Trace Asbestos

Reported results are the microscopist's visual estimate by area of asbestos concentration. These estimates are then formulated into results given in percent of asbestos by weight. Results for heterogeneous samples examined by component are reported as a composite. For example, if sheetrock joint compound percentage was 2-3% asbestos, the composite result may be reported as <1% (Trace),

asbestos for the sheetrock system. The lower limit of reliable detection for the PLM method is 1%. Samples which contain more than 1% asbestos are reported in 1% ranges.
Samples which contain asbestos in a concentration lower than the limit of reliable detection (<1%) are reported as <1% (Trace) asbestos. For a lower limit of detection, "point counting" gravimetry is used. This method is described below.

Point Counting

Bay Area Air Quality Management District (BAAQMD) require point counting results to be reported on their removal notifications for certain materials with PLM results of less than 10% asbestos or assume these materials are ACM. Point counting is conducted by the EPA Method 600/R-93/116 or 600/M4-82-020. This method involves ashing the sample in a furnace and then re-weighing it to determine the amount of material lost on ignition. Acidified water is added and the sample is ultrasonicated to break up solid materials. This material is then filtered, dried, weighed and the filter residue is then analyzed by PLM. Laboratory protocol states that the limit of detection for point counting using 1000 points, is 0.10 area estimates. This point count is then multiplied by the reduction factor (RF) to obtain the actual percentage of asbestos. Percentage levels of 0.1% or greater up to 1%, are considered to be Asbestos Containing Construction Materials (ACCM) by Cal/OSHA.

5.0 Asbestos Material Categories

Federal regulations provide "categories" to classify asbestos material types. In California, Air Quality Management Districts require ACM be listed by category in their notification forms. Table 1 below, which provides the asbestos sampling results, also provides categories for these materials.

The **Regulated Asbestos Containing Material (RACM)** category designation is for friable asbestos, sprayed on or troweled-on surfacing, fireproofing or thermal system insulation (TSI).

The **Category I** designation is used for non-friable materials such as: tar based roofing, mastics, putties, paints, vinyl floor tile and resilient sheet flooring (excepting the friable paper backing). Note vinyl floor Tile and associated mastic are considered to be friable by some mechanical removal or demolition means.

The **Category II** designation is used for certain other types of non-friable materials such as: Transite pipe and panels, cementitious products, gaskets, clapboard, siding shingles, or any non-friable materials that would be rendered friable by mechanical means during removal. Category I materials may be demolished in place depending upon the means of demolition.

6.0 Asbestos Laboratory Results

According the laboratory analysis results (see Table I) the following materials were analyzed as containing asbestos:

- Drywall taping mud;
- 9" x 9" vinyl tile & mastic;
- Linoleum residual mastic;
- Window putty.

TABLE I ASBESTOS SAMPLING RESULTS					
Sample No.	**Location**	**Description**	**Asbestos Results**	**NESHAP Category**	**OSHA Classification**
0919-01	Bldg. 2 - #C13A & B - Floor near storage room	Gray 12" x 12" vinyl tile & mastic	ND	n/a	n/a
0919-02	Bldg. 2 - #C13A & B - Floor	Black vinyl base cove	ND	n/a	n/a
0919-03	Bldg. 2 - #C13A & B - Wall	Drywall & taping mud	ND	n/a	n/a
0919-04	Bldg. 2 - #C13A & B - Exterior window	Putty	ND	n/a	n/a
0919-05	Bldg. 2 - #C13A & B - Restroom wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	*RACM	II
0919-06	Bldg. 2 - #C13A & B - Restroom wall	Ceramic tile grout	ND	n/a	n/a
0919-07	Bldg. 2 - #C12 - Exterior window	Putty	ND	n/a	n/a
0919-08	Bldg. 2 - #C12 - Restroom wall	Plaster & skim coat	ND	n/a	n/a
0919-09	Bldg. 2 - #C12 - Restroom wall	Ceramic tile grout	ND	n/a	n/a
0919-10	Bldg. 2 - #C12 - Entry ceiling	12" x 12" perforated acoustical tile	ND	n/a	n/a
0919-11	Bldg. 2 - #C12 - Entry ceiling	Tile brown adhesive	ND	n/a	n/a
0919-12	Bldg. 3 - #C-11 - Exterior window	Putty	ND	n/a	n/a
0919-13	Bldg. 3 - #C-11 - Floor	12" x 12" Gray vinyl tile & yellow adhesive	ND	n/a	n/a

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category	OSHA Classification
0919-14	Bldg. 10 - C-7 - Storage room - Floor	9" x 9" gray w/orange streaks & mastic	**Vinyl tile: 2% Chry Mastic: 3% Chry**	I	II
0919-15	Bldg. 7 - #B-2 - Floor	9" x 9" tan w/brown streaks & mastic	**Vinyl tile: 2% Chry Mastic: 3% Chry**	I	II
0919-16	Bldg. 7 - #B-2 - Exterior window	Putty	ND	n/a	n/a
0919-17	Bldg. 7 - #B-2 - Clerestory	Putty	ND	n/a	n/a
0919-18	Bldg. 7 - Library - Floor	Brown carpet glue	ND	n/a	n/a
0919-19	Bldg. 7 - Library - Wall	Drywall & taping mud	Drywall: ND **Taping mud: 2% Chry**	*RACM	II
0919-20	Bldg. 4 - #B-6 - Floor	12" x 12" Tan vinyl floor tile & yellow glue	**Vinyl Tile: 2% Chry** Yellow glue: ND	I ND	II ND
0919-21	Bldg. 4 - #B-6 - Floor	Tan mosaic pattern linoleum	Lino: ND **Mastic: <1% Chry**	n/a Assumed II	n/a ACCM
0919-22	Bldg. 4 - #B-6 - Storage room floor	Red vinyl sheeting & black mastic	ND	n/a	n/a
0919-23	Bldg. 4 - #B-6 - Exterior window	Putty	ND	n/a	n/a
0919-24	Bldg. 4 - #B-6 - Clerestory	Putty	**<1% Chry**	*Assumed RACM	ACCM
0919-25	Administration Building - Clerestory	Putty	**<1% Chry**	*Assumed RACM	ACCM

TABLE I
ASBESTOS SAMPLING RESULTS

Sample No.	Location	Description	Asbestos Results	NESHAP Category	OSHA Classification
0927-01	Bldg. 4 - #B-6 - Floor	Re-Analysis of Tan mosaic pattern linoleum	ND	n/a	n/a
1204-01	Room B-5 - Floor	12" x 12" vinyl floor tile	**2% chry**	I	II

Footnotes:
Method of Analysis - (PLM) Polarized Light Microscopy EPA/600/R-93/116, 1993.
Chry - Chrysotile Asbestos
*According to NESHAP regulations, refer to this report: Section 4.0 Interpretation of Results, Point Counting, samples with a result of <10% are considered RACM unless "point count" analysis determines the result to be <1%.

7.0 Applicable Regulatory Agencies

The United States Environmental Protection Agency (USEPA) classifies a building material as asbestos-containing when the material is found to contain asbestos in quantities of greater than one-percent (>1%) by weight. This classification is the same as Cal-OSHA's (State of California-Occupational Safety and Health Administration) definition of an **Asbestos-Containing Material (ACM).** However, Cal-OSHA has an additional classification for manufactured materials found to contain asbestos in quantities between 0.1% to 1% (one tenth to one percent) by weight. According to Cal-OSHA's Asbestos Construction Standard CCR Title 8, Section 1529 this material is classified as **"Asbestos-Containing Construction Material (ACCM)"**.

Cal-OSHA and Bay Area Air Quality Management District (BAAQMD) require notification if the ACM will be disturbed in quantities set forth by these respective agencies. Additionally, Cal-OSHA classification of manufactured building materials as ACM and/or ACCM (when the ACCM will be disturbed by renovation activities and in quantities of greater than one hundred (100) feet requires removal of the ACCM to be performed by a contractor who is a DOSH registered asbestos contractor. The ACM / ACCM removal work must be performed utilizing appropriate work practices, proper engineering controls, respirator protection and workers under medical surveillance, with the appropriate medical an training certificates.

8.0 Lead-Based Paint Survey

Eleven (11) representative paint chip samples were collected from various components subject to disturbance during the renovation construction phases. The samples were delivered to EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA 94577. The samples were analyzed by Flame

Atomic Absorption Spectrometry with EPS's "Standard Operating Procedures for Lead in Paint by Hotplate, or, Microwave-based Acid digestion and Atomic Absorption or inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213. NDIS Document No. PB92-114172.

9.0 Lead-Based Paint Results

California Department of Public Health (CDPH) and the US Environmental Protection Agency (USEPA) defines LBP as *"paint or other surface coatings that contain an amount of lead equal to, or in excess of one milligram per square centimeter (1.0 mg/cm^2) or equal to or in excess of half of one percent (0.5%); or equal to or in excess of 5,000 ppm (parts per million)".* Detectible lead below these levels are known as LCP.

According to the laboratory results seven (7) paint samples were identified as Lead-Based Paint (LBP) ; three (3) were reported as Lead-Containing Paint (LCP) and one analyzed at "below the limit of detection", as noted in Table II.

TABLE II
PAINT CHIP SAMPLE RESULTS

Sample No.	Location	Description	Results	
			Weight Percent (%)	ppm
0919-01Pb	Bldg. 2 - #C13 A & B - Exterior window frame	White paint	0.0081	81
0919-02Pb	Bldg. 2 - #C13 A & B - Exterior window trim	White paint	<0.0080	<80
0919-03Pb	Bldg. 2 - #C13 A & B - Rear exterior door	Red paint	0.011	111
0919-04Pb	Bldg. 2 - #C-12C - Exterior window trim	White paint	**0.5**	**5,000**
0919-05Pb	Bldg. 3 - #C-11 - Exterior window trim	White paint	**1.4**	**14,000**
0919-06Pb	Bldg. 3 - #C-11 - Clerestory - Window Trim	White paint	**3.1**	**31,000**
0919-07Pb	Bldg. 10 - #C7 - Restroom interior window sill	Beige paint	0.49	4,900
0919-08Pb	Bldg. 7 - #B2 - Exterior window trim	White paint	**0.93**	**9,300**
0919-09Pb	Bldg. 4 - Exterior window trim	White paint	**0.84**	**8,400**
0919-10Pb	Multi Use Bldg. - Clerestory window trim	White paint	**1.3**	**13,000**

TABLE II PAINT CHIP SAMPLE RESULTS				
Sample No.	**Location**	**Description**	**Results** **Weight Percent (%)**	**ppm**
0919-11Pb	Bldg- 2 - #C12 - Restroom Wall	White paint	**1.0**	**10,000**

Footnotes:

A. Method of Analysis - Flame Atomic Absorption Spectrometry with EPA's "Standard Operating Procedures for Lead in Paint by Hotplate - or - Microwave-based Acid digestion and Atomic Absorption or Inductively Coupled Plasma Emission Spectrometry" (1991), EPA/600/B-91/213, NTIS Document No. PB92-114172.

10.0 Lead in Ceramic Tile Results

Ceramic wall tile samples were collected from two restrooms and analyzed for the presence of lead. According to the laboratory, the ceramic tile in both bathrooms of collected from the main house were analyzed as containing lead above 50 ppm. The two samples were characterized for lead to determine proper disposal method. The waste characterization may entail several analytical procedures to determine if the waste is: Construction debris; California Restricted Hazardous Waste; or, RCRA (Resource, Conservation, and Recovery Act) federal waste. Listed below are the limits of the analytical procedures:

- TTLC (Total Threshold Limit Concentration): 1,000 ppm is considered RCRA federal waste. DTSC requires additional analysis for samples with results above 50 ppm but below 1,000 ppm;
- STLC (Soluble Threshold Limit Concentration): 5 mg/L; and
- TCLP (Toxicity Characteristic Leaching Procedure): 5mg/L.

TABLE III LEAD IN CERAMIC TILE SAMPLE RESULTS			
Sample No.	**Location**	**Description**	**Results**
TTLC			**mg/Kg**
0918-01CT	Bldg. 2 - #C-13 A & B - Restroom wall	4" x 4" Green ceramic tile	**4,100 RCRA Waste**
0918-02CT	Bldg. 2 - #C-12 - Restroom wall	4' x 4" Beige w/specks, ceramic tile	310 *submitted for STLC analysis*

STLC			**mg/L**
0918-02CT	Bldg. 2 - #C-12 - Restroom wall	4' x 4" Beige w/specks, ceramic tile	**7.9**
TCLP			**mg/L**
0918-02CT	Bldg. 2 - #C-12 - Restroom wall	4' x 4" Beige w/specks, ceramic tile	1.7

11.0 Conclusions and Recommendations:

Asbestos:

- The drywall with taping mud and the window putty are considered friable, hence, if "point count" re-analysis is not performed, these materials are RACM and must be reported to BAAQMD..

- Cal/OSHA's CCR Title 8, Section 1529 - Asbestos in Construction considers the drywall with asbestos taping mud, vinyl tile and mastic removal as Class II type of abatement work. The work must be performed within a negative pressure enclosure with a two-stage personnel decontamination system contiguous to the containment.

- Should the abatement of the vinyl floor tile and/or mastic be performed using "mechanical means", BAAQMD considers this material RACM and must be notified ten days in advance of the abatement work.

- The fluorescent light fixture wiring in three representative buildings were inspected for asbestos insulation. All of the fixtures inspected were found not to have asbestos insulated wiring. However in the event suspect insulation is encountered, it should be treated as containing asbestos until lab asbestos determination is verified.

- The work should be over-seen by a Certified Asbestos Consultant to ensure regulatory compliance; provide the necessary inspections; the collection of perimeter air samples; conduct final visual inspection and the collection of final air clearances, prior to releasing the area to other contractors.

Lead in Paint:

- Lead-Based Paint (LBP) was identified on several interior and exterior painted components as noted on Table II, above. Lead-Containing Paint (LCP) was also identified on some painted components.

- The disturbance of LBP regulated by Cal/OSHA's Lead in Construction Standard, Title 8, California Code of Regulations (CCR) 1532.1. These requirements include employee training, employee air monitoring, biological monitoring, dust control and

the use of safe work practices.

- California Department of Public Health (CDPH), Title 17, California Code of Regulations, Division 1, Chapter 8: Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards, also regulates the abatement of components coated with LBP. These requirements Training, certification and proper work practices.

- Department of Toxic Substances Control (DTSC) regulates the disposal of hazardous waste and requires characterization of LBP and LCP components that contain greater than 50 ppm of lead prior to disposal. The analytical characterization determines if the waste will be disposed of as either: construction waste; California Restricted Hazardous Waste or Federal (RCRA) Waste.

- The ceramic tile (green 4" x 4") collected from Bldg. 2 - #C-13 A & B - Restroom wall was reported at TTLC 4,100 ppm. TTLC results at or above 1,000 ppm classifies the waste as federal RCRA.

- The ceramic tile (beige 4" x 4") collected from Bldg 2# C-12 restroom wall was submitted for TTLC analysis. The lab reported the result at 310 mg/kg. This result requires additional testing. The sample was re-analyzed by STLC and was reported at 7.9 mg/L. Levels above 5.0 mg/L are considered to be California Restricted Hazardous Waste. This sample was also analyzed by TCLP with a result of 1,7 mg/L. The TCLP threshold is 5.0 mg/L, hence, not a federal waste.

Should you have any questions of require further assistance, please do not hesitate to contact me at (925) 285-3717.

Sincerely,



Ralph P. Guzman
BS, IH
Certified Asbestos Consultant (#93-0965)
CDPH: I/A, #4063 PM #4064

Enviro-STAR, conducted a visual inspection of several fluorescent light fixture electrical wiring for suspect asbestos wire insulation. The planned renovation construction at Rio Vista Elementary School.

The architectural plans, amongst other construction enhancement work, calls for the up-grading and replacement of the fluorescent light fixtures from building the interior building facilities. In two other school where the interior light fixtures were replaced some of the electrical wires in the fluorescent

light fixtures were found to contain asbestos insulation. With this in mind, and the age of the school, Enviro-STAR recommended conducting a survey of several building light fixtures to visually determine if the wiring was suspect ACM and if necessary collect samples to ascertain the presence of asbestos. Enviro-STAR requested an electrician be present to provide assistance in safing-off the electricity in the event suspect asbestos wiring was found and required cutting the section of the wiring for lab analysis.

The inspection was set for Friday April 16, 2004 at 1:00 pm. There were no children attending school with minimal personnel in the school.

Enviro-STAR met Mr. Mario Butay, MDUSD electrician, at Rio Vista ES. Mr. Butay was apprised of the planned construction renovation that included replacement of light fixtures. He was aware of the asbestos insulated wires found at Mt. Diablo High School. He was informed the same was true with Walnut Acres ES.

The approach to the inspection was to select three buildings (A, B & C) and randomly inspect several rooms. With the light switch off, Mr. Butay removed the light fixture lens cover, fluorescent light bulbs and the metal ballast/electrical wiring cover plate which allowed a close inspection of the electrical wiring.

All of the electrical wires were of newer vintage insulated with plastic sheathing.

Although every fixture was not inspected, the ones that were **did not** have asbestos insulated wires. It is fair to assume, based on the inspection findings, the likely hood of finding asbestos insulated wires is low. However, if, in the process of removing the light fixtures, a non-plastic sheathed wire be discovered, it should be treated as containing asbestos, until it is inspected and laboratory analyzed to determine otherwise.

The attached photos depict the light fixture wiring found on several fluorescent light fixtures. For reference, not collected at the school, is an electrical wire insulation that contains asbestos.

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Addenda to Abatement Scope of Work

The items listed below apply to Rio Vista Elementary School, Mt. Diablo Elementary School and Meadow Homes Elementary School, unless otherwise noted differently:.

- TSI (Thermal System Insulation) in the form of pipe insulation including lagging and mudded elbows. These are typically found in wall and ceiling cavities. The bidders shall provide unit cost based on linear feet;

- Exterior stucco walls - Bidders shall provide unit cost base on square feet. These walls tested positive for both asbestos and lead in paint. The asbestos was point counted and determined to be <1% Chrysotile. Lead concentration was at 850 ppm, which is regulated by Cal/OSHA's Title 8 CCR Section 1532.1 for worker training, protection and work practices. Waste characterization determined the paint to be non-hazardous and may be disposed of as non-friable asbestos waste.

  Note: Exterior paint samples to be collected at Mt. Diablo and Meadow Homes Elementary Schools. A revised addendum will be issued upon receipt of laboratory results.

- Clerestory windows and store front window paint was characterized and determined to be RCRA waste. Assume same results for the windows at Meadow Homes Elementary School.

END OF DOCUMENT

Enviro-S.T.A.R.
Environmental - Safety, Training And Resources, Inc.
246 30th Street, Ste. 102, Oakland, CA 94611

Addenda to Abatement Scope of Work

The items listed below apply to Rio Vista Elementary School, Mt. Diablo Elementary School and Meadow Homes Elementary School, unless otherwise noted differently:.

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